connectwell
THE RIGHT CONNECTION

PSS5/24/0.21

0.21A,5W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 265 VAC
- Typical efficiency of 69%
- Compact Design with a width of only 22.5 mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 °C
Ambient Temperature Range (Storage)	-25 to +85 °C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5 °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	812000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	210 mA
Output Wattage	5 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	70%
Efficiency (typ.)	72%
Standard Packing Qnty	1
Cat. No.	PSS5/24/0.21

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	1.8 W

INPUT SPECIFICATIONS....

Rated Input Current -Max. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 115 VAC)	115 mA
Rated Input Current -Typ. (Vi : 230 VAC)	80 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

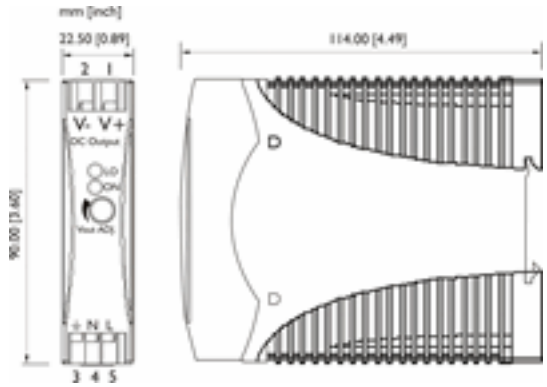
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	18.0 to 21.6 VDC
DC ON Indicator Threshold at start up (Green LED)	18.0 to 21.6 VDC
Efficiency	72%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	30 msec
Hold Up Time (Vi: 230VAC)	130 secs
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	210 mA
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +20 %
Power Back Immunity	35 VDC
Rated Continuous Loading	0.21A @24Vdc / 0.17A @28.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

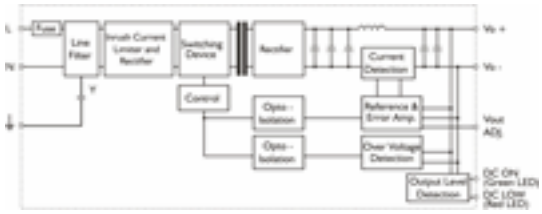
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emmissions
4	IN	N	Input terminals (neutral conductor,no polarity at DC input)
5	IN	L	Input terminals (phase conductor,no polarity at DC input)

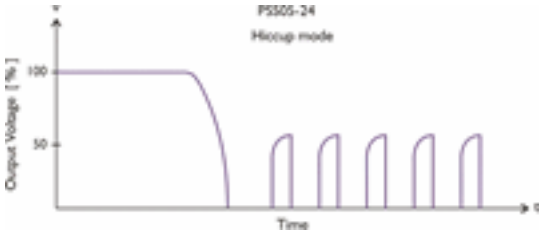
DIMENTISONAL DIAGRAM



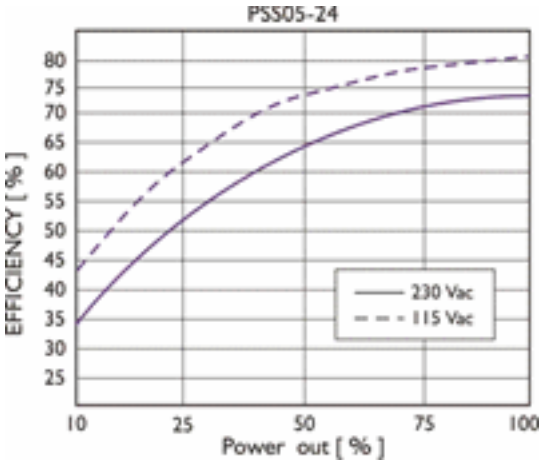
CIRCUIT SCHEMATIC



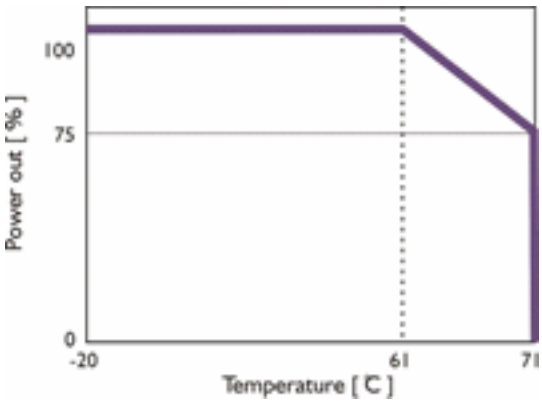
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2~2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

connectwell
THE RIGHT CONNECTION

PSS18/24/0.75

0.75A,18W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 to 264VAC
-Typical efficiency of 77%
-Compact design with a width of only 22.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	800000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	750 m A
Output Wattage	18 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	75%
Efficiency (typ.)	77%
Standard Packing Qnty	1
Cat. No.	PSS18/24/0.75

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.23 kg ; 56 pcs / 14 kg / 2.16 CUFT
Weight	150 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 m A
Leakage Current (Input-Output)	0.25 m A
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	4.45 W

Connectwell Industries Pvt. Ltd. D7, Phase 2, MIDC, Dombivli (E), Maharashtra, India - 421204. Tel : +91 251 3980 600 / +91 251 3980 800 Fax : +91 251 3980 700 Email : connect@connectwell.com Website : www.connectwell.com b

INPUT SPECIFICATIONS....

Rated Input Current -Typ. (Vi : 115 VAC)	335 mA
Rated Input Current -Typ. (Vi : 230 VAC)	210 mA
Rated Input Current -Typ. (Vi : 90 VAC)	500 m A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

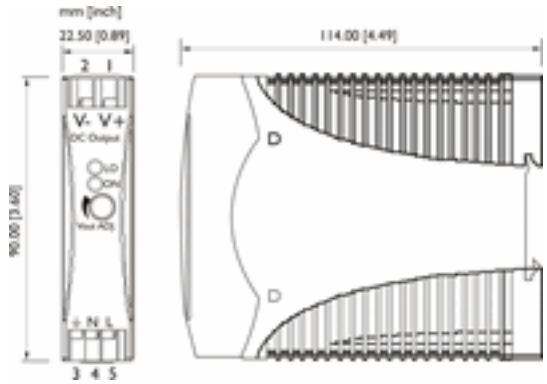
OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	18 to 21.6VDC
DC ON Indicator Threshold at start up (Green LED)	18 to 21.6VDC
Efficiency	77%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	75 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	750 m A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +20 %
Power Back Immunity	35 VDC
Rated Continuous Loading	0.75A @24Vdc / 0.6A @28.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

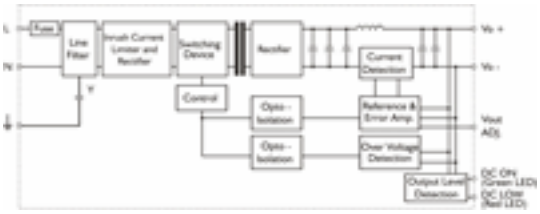
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emmissions
4	IN	N	Input terminals (neutral conductor,no polarity at DC input)
5	IN	L	Input terminals (phase conductor,no polarity at DC input)

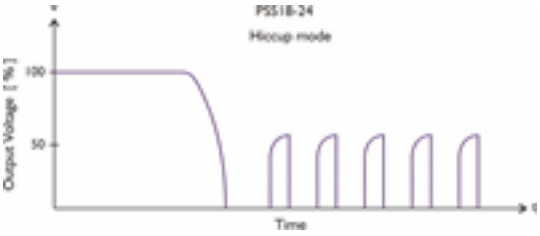
DIMENTISONAL DIAGRAM



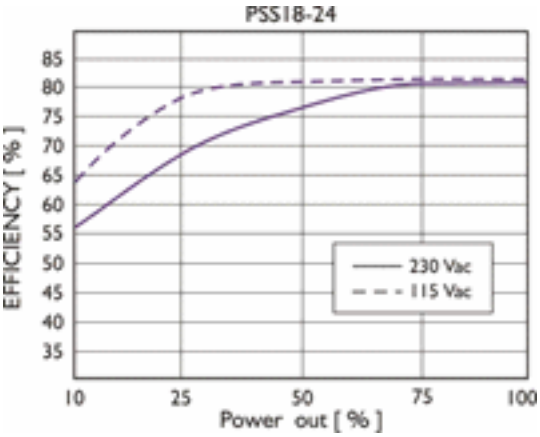
CIRCUIT SCHEMATIC



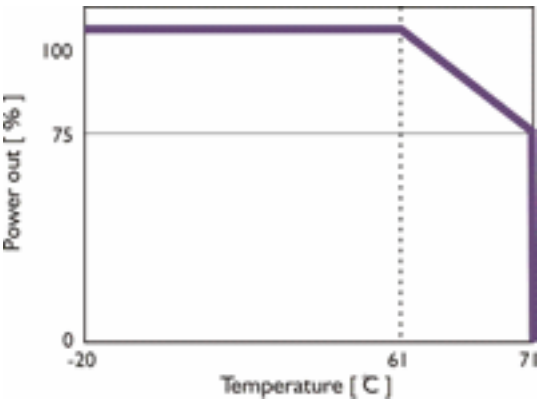
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2~2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

connectwell
THE RIGHT CONNECTION

PSS10/24/0.42

0.42A,10W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 to 264VAC
-Typical efficiency of 76%
-Compact design with a width of only 22.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	808000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	420 mA
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	74%
Efficiency (typ.)	76%
Standard Packing Qnty	1
Cat. No.	PSS10/24/0.42

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
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	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

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Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	2.5 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A

INPUT SPECIFICATIONS....

Power Dissipation (Vi: 230 VAC, Io norm)	2.8 W
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 230 VAC)	130 mA
Rated Input Current -Typ. (Vi : 90 VAC)	300 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	18.0 to 21.6 VDC
DC ON Indicator Threshold at start up (Green LED)	18.0 to 21.6 VDC
Efficiency	72%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	420 mA
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +20 %
Power Back Immunity	35 VDC
Rated Continuous Loading	0.42A @24Vdc / 0.34A @28.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
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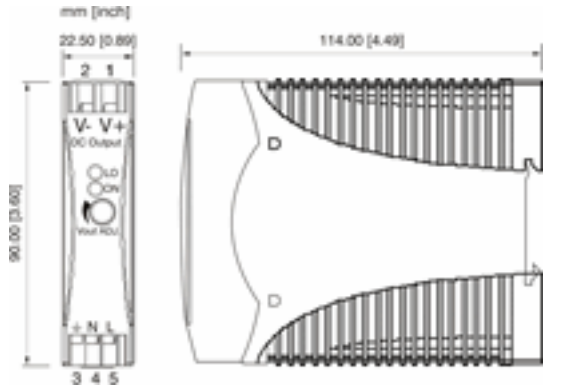
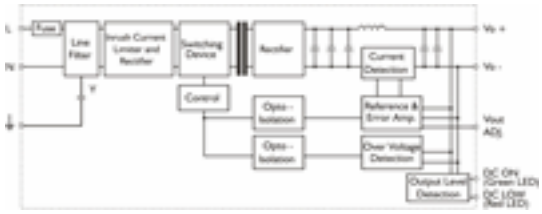
3	IN	Ground	Ground this terminal to minimize high frequency emmissions
4	IN	N	Input terminals (neutral conductor,no polarity at DC input)
5	IN	L	Input terminals (phase conductor,no polarity at DC input)

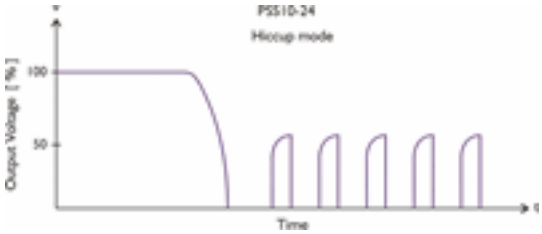
DIMENTISONAL DIAGRAM



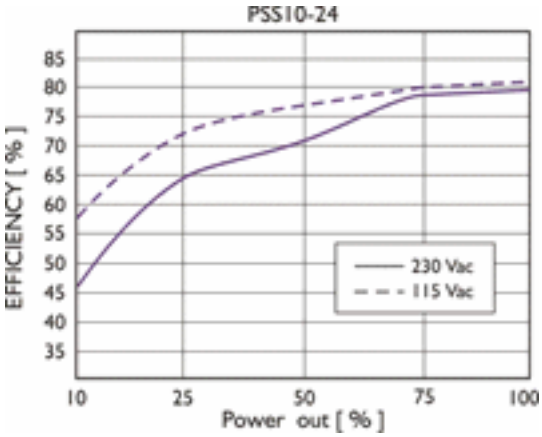
CIRCUIT SCHEMATIC



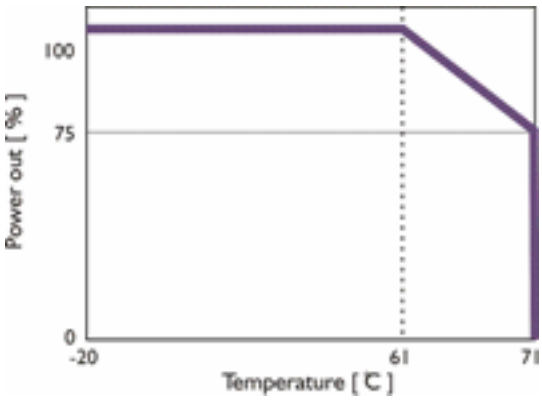
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2~2mm) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

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THE RIGHT CONNECTION

PSS30/24/1.25

1.25A,30W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 85 to 264VAC
-Typical efficiency of 86%
-Compact design with a width of only 40.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% / °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	588000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	80-135 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	1250 mA
Output Wattage	30 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	86%
Standard Packing Qnty	1
Cat. No.	PSS30/24/1.25

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.35 kg ; 40 pcs / 15 kg / 2.16 CUFT
Weight	270 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	30 to 33 VDC
Power Ready	Threshold Voltage of Contact Closed(at Strat up)18.8 / 19.6 VDC min/max
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	5.5 W
Rated Input Current -Max. (Vi : 115 VAC)	800 mA
Rated Input Current -Typ. (Vi : 115 VAC)	560 mA
Rated Input Current -Typ. (Vi : 230 VAC)	330 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

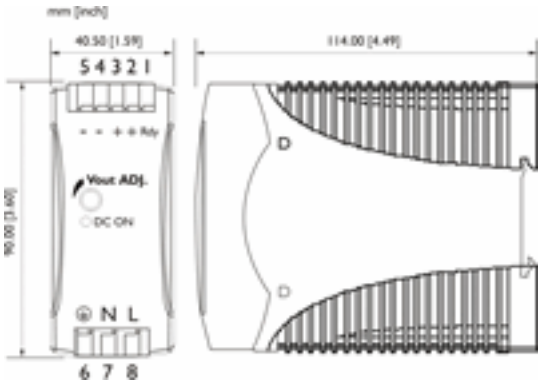
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC ON Indicator Threshold at start up (Green LED)	18.0 to 21.6VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	1250 mA
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	24 to 28 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	1.25A @24Vdc / 1.05A @28Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	2000 msec

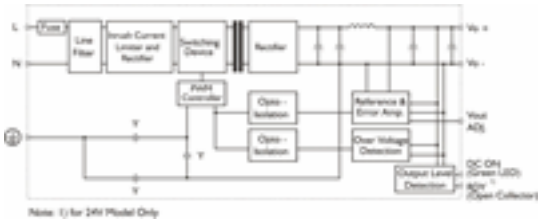
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emmissions
7	IN	N	Input terminals (neutral conductor,no polarity at DC input)
8	IN	L	Input terminals (phase conductor,no polarity at DC input)

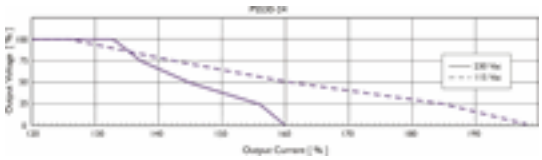
DIMENTISONAL DIAGRAM



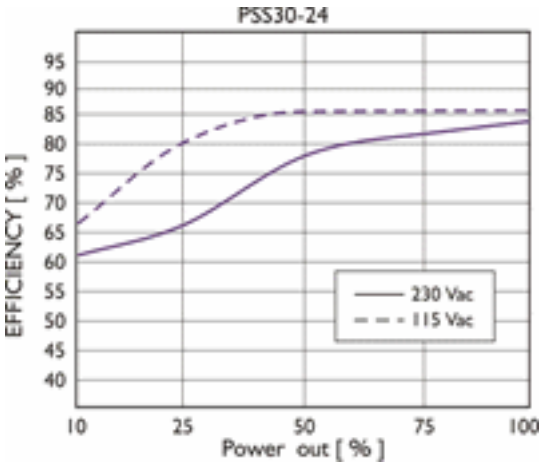
CIRCUIT SCHEMATIC



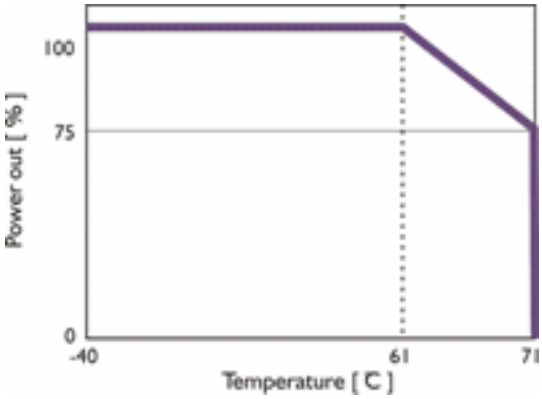
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2~2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

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THE RIGHT CONNECTION

PSS60/24/2.5

2.5A,60W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 85 to 264VAC
-Typical efficiency of 89%
-Compact design with a width of only 40.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	520000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55-90 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	2500 mA
Output Wattage	60 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	86%
Efficiency (typ.)	89%
Standard Packing Qnty	1
Cat. No.	PSS60/24/2.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.41kg ; 40 pcs / 17.5 kg / 2.16 CUFT
Weight	340 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V,12V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	30.0 to 33.0 VDC
Power Ready	Rdy on (Threshold at start up) at 19.2-19.4 VDC & Rdy off (Threshold after start up) at 19.1-19.3 VDC
Rated over load protection	110 to 150 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	8.8 W
Rated Input Current -Max. (Vi : 115 VAC)	1500 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1060 mA
Rated Input Current -Typ. (Vi : 230 VAC)	590 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

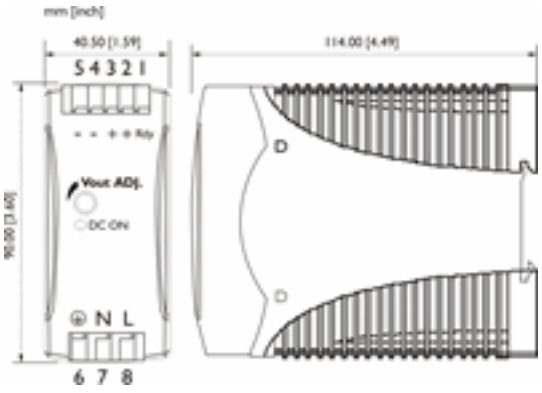
OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC ON Indicator Threshold at start up (Green LED)	18.0 to 21.6 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	2500 mA
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	24 to 28 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	2.5A @24Vdc / 2.1A @28Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

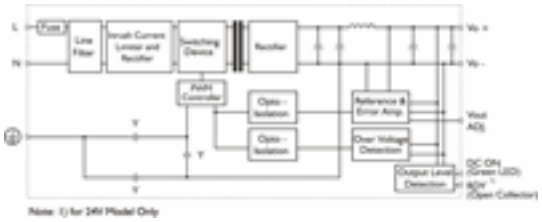
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emmissions
7	IN	N	Input terminals (neutral conductor,no polarity at DC input)
8	IN	L	Input terminals (phase conductor,no polarity at DC input)

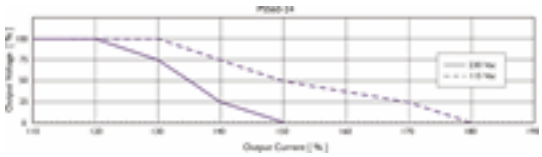
DIMENTISONAL DIAGRAM



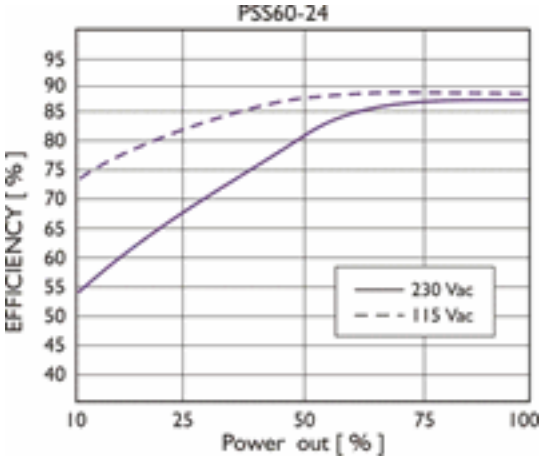
CIRCUIT SCHEMATIC



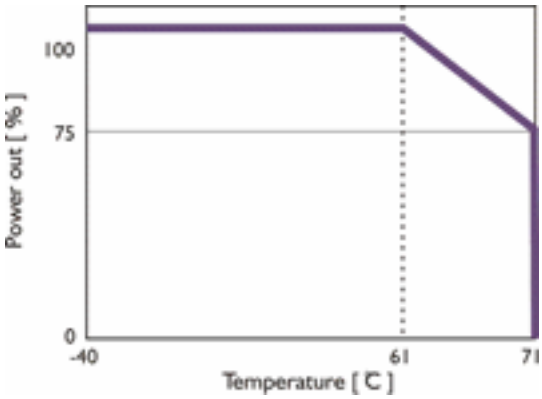
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal:AWG24-14 (0.2~2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

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THE RIGHT CONNECTION

PSS100/24/4.2

4.2A,100W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 /264VAC Auto select
-Typical efficiency of 88%
-Compact design with a width of only 54mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L90 X W54 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	456000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	4.2 A
Output Wattage	100.8 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	84%
Efficiency (typ.)	86%
Standard Packing Qnty	1
Cat. No.	PSS100/24/4.2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 54 X 114 mm
Packing	0.51kg ; 32 pcs / 17.5 kg / 1.85 CUFT
Weight	430 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 24V/E w/o Class 2) Recognized
Vibration resistance:	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	30 to 33 VDC
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	15 W
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Current -Typ. (Vi : 90 VAC)	2.4 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up	17.6 to 19.4 VDC

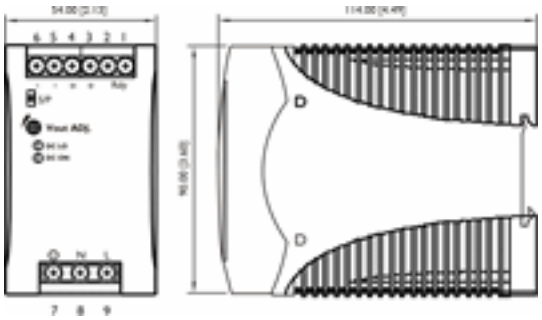
OUTPUT SPECIFICATIONS....

(Red LED)	
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	88%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	15 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	4.2 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	4.2A @24Vdc / 3.5A @28.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

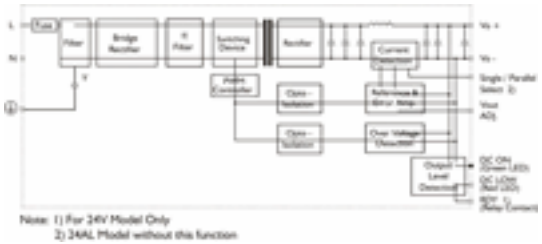
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emmissions
8	IN	N	Input terminals (neutral conductor,no polarity at DC input)
9	IN	L	Input terminals (phase conductor,no polarity at DC input)

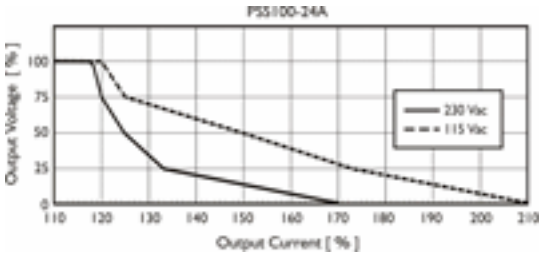
DIMENTISONAL DIAGRAM



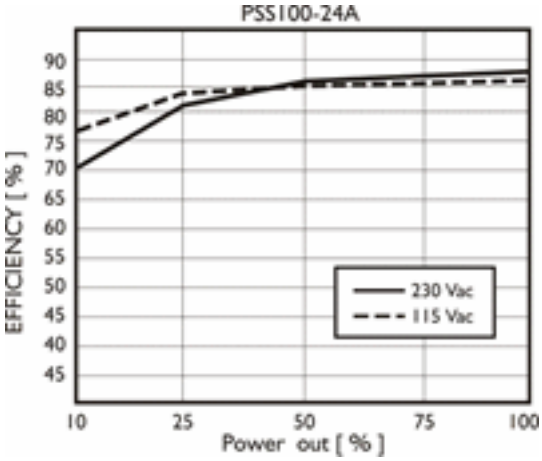
CIRCUIT SCHEMATIC



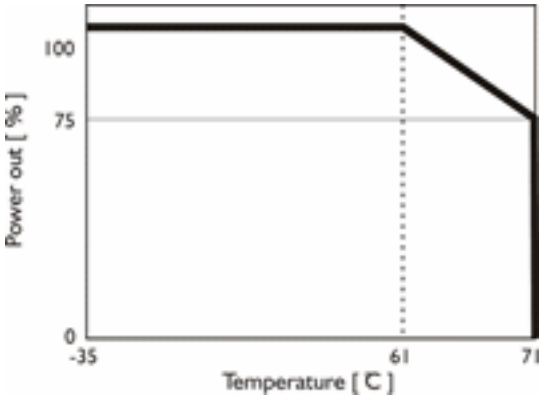
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Screw terminal:AWG24-10 (0.2~4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches

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THE RIGHT CONNECTION

PSS100/24/3.8-L

3.8A,100W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 /264VAC Auto select
-Typical efficiency of 88%
-Compact design with a width of only 54mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L90 X W54 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	493000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	3.8 A
Output Wattage	91.2 W
Input Voltage Range	90/264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	85%
Standard Packing Qnty	1
Cat. No.	PSS100/24/3.8-L

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 54 X 114 mm
Packing	0.51kg ; 32 pcs / 17.5 kg / 1.85 CUFT
Weight	430 g

APPROVALS

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ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 24V/E w/o Class 2) Recognized
Vibration resistance:	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	24.5 to 25.5 VDC
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	14 W
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Current -Typ. (Vi : 90 VAC)	2.4 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up	17.6 to 19.4 VDC

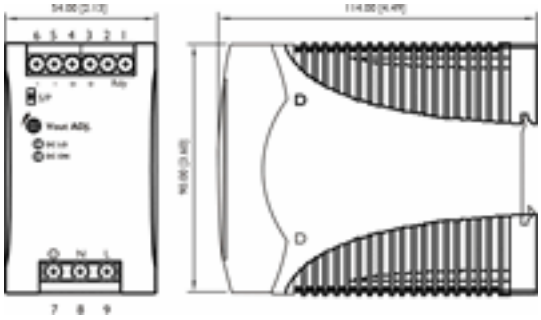
OUTPUT SPECIFICATIONS....

(Red LED)	
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	88%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	15 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	3.8 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 24.5 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	3.8A @24Vdc / 3.7A @24.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

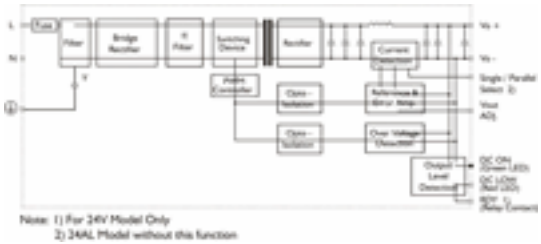
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emmissions
8	IN	N	Input terminals (neutral conductor,no polarity at DC input)
9	IN	L	Input terminals (phase conductor,no polarity at DC input)

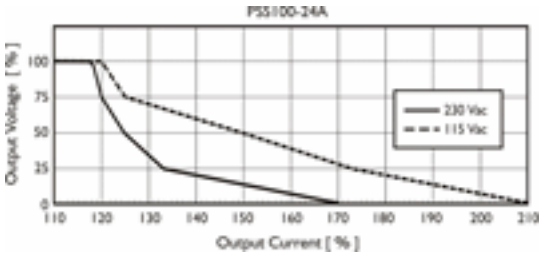
DIMENTISONAL DIAGRAM



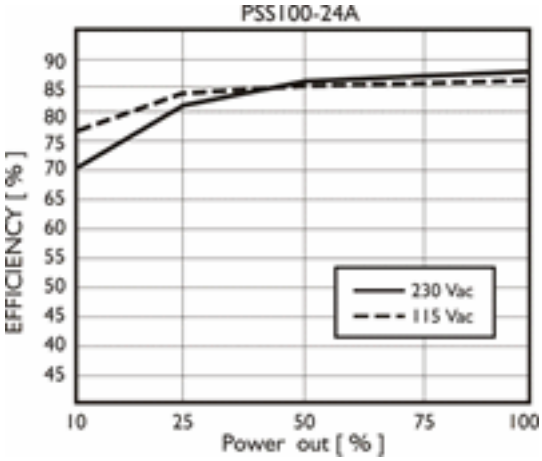
CIRCUIT SCHEMATIC



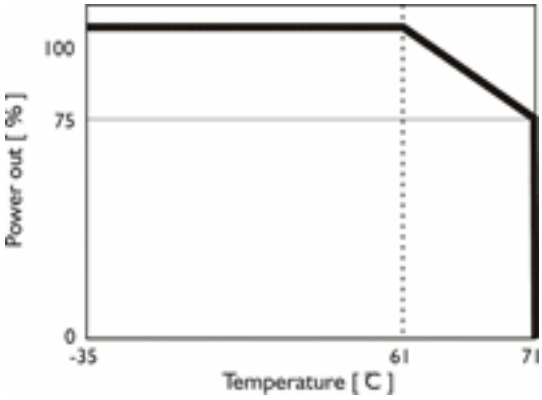
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2~4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches

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THE RIGHT CONNECTION

PSS120/24/5

5A,120W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90/264 VAC Auto select
-Typical efficiency of 86%
-Compact design with a width of only 64mm
-Parallel function available (Switch)
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Screw terminal type L124.5 X W64 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	450000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	5 A
Output Wattage	120 W
Input Voltage Range	115/230 VAC
Efficiency (min.)	84%
Efficiency (typ.)	86%
Standard Packing Qnty	1
Cat. No.	PSS120/24/5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 64 X 123.6 mm
Packing	1.02kg ; 20 pcs / 21.5 kg / 2.01 CUFT
Weight	920 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I,Division 2,Groups A,B,C,and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	24 A
Max. Inrush Current (Vi: 230 VAC)	48 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	20 W
Rated Input Current -Max. (Vi : 115 VAC)	2.8 A
Rated Input Current -Max. (Vi : 230 VAC)	1.4 A
Rated Input Current -Typ. (Vi : 115 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Voltage	115 /230 VAC (auto select)

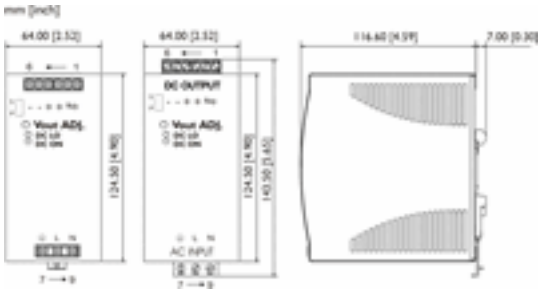
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	5 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	5A @24Vdc / 4.2A @28.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

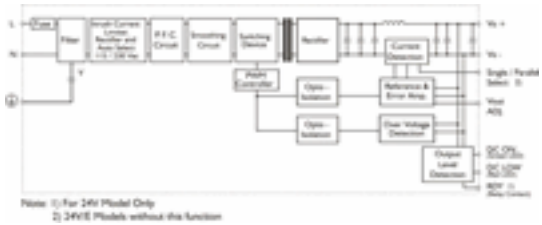
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emmissions
8	IN	L	Input terminals (phase conductor,no polarity at DC input)
9	IN	N	Input terminals (neutral conductor,no polarity at DC input)

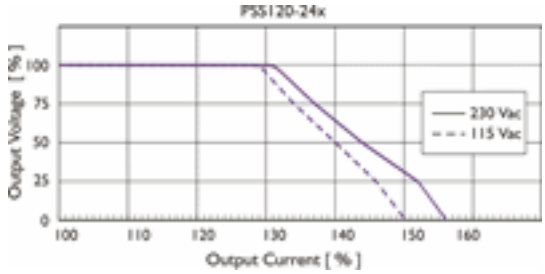
DIMENTISONAL DIAGRAM



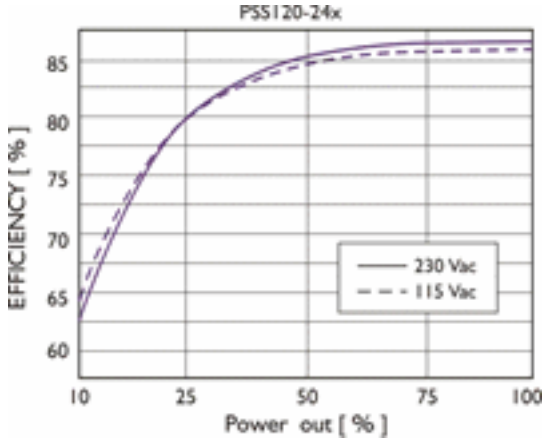
CIRCUIT SCHEMATIC



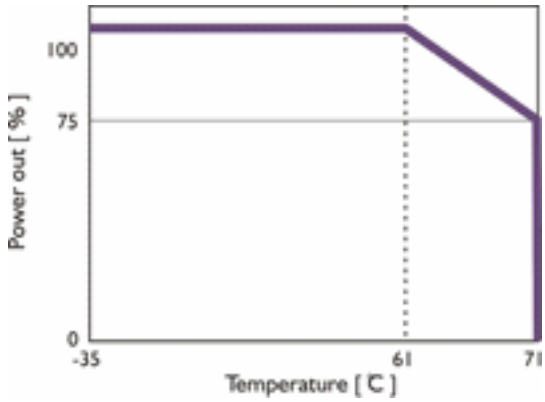
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2~4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened. Connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches. 8m/m stripping at cable end recommends.Use copper conductors only,60/75°C

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THE RIGHT CONNECTION

PSS240/24/10

10A,240W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 - 264 VAC Auto select
-Typical efficiency of 89%
-Compact design with a width of only 83.5mm
-Parallel function available (Switch)
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Screw terminal type L124.5 X W83.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	423000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	10 A
Output Wattage	240 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	87%
Efficiency (typ.)	89%
Standard Packing Qnty	1
Cat. No.	PSS240/24/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 83.5 X 123.6 mm
Packing	1.5kg ; 16 pcs / 25 kg / 2.01 CUFT
Weight	1380g

APPROVALS

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ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I,Division 2,Groups A,B,C,and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T6.3A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	120 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	35 W
Rated Input Current -Max. (Vi : 115 VAC)	5.4 A
Rated Input Current -Max. (Vi : 230 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.0 A
Rated Input Current -Typ. (Vi : 230 VAC)	1.55 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF

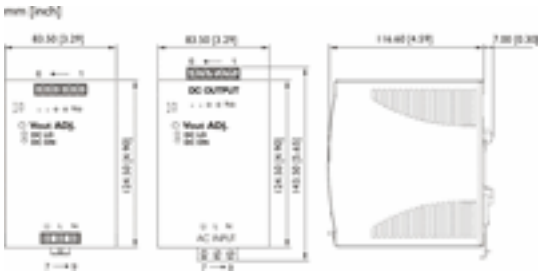
OUTPUT SPECIFICATIONS....

DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	10 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	10A @24Vdc / 8.4A @28.5Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

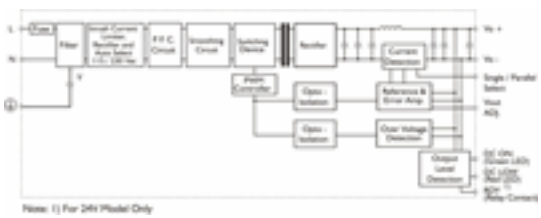
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emmissions
8	IN	L	Input terminals (phase conductor,no polarity at DC input)
9	IN	N	Input terminals (neutral conductor,no polarity at DC input)

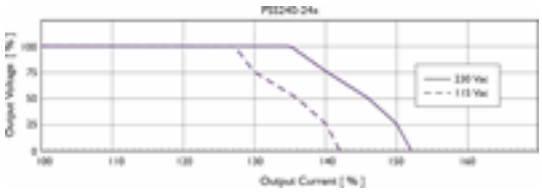
DIMENTISONAL DIAGRAM



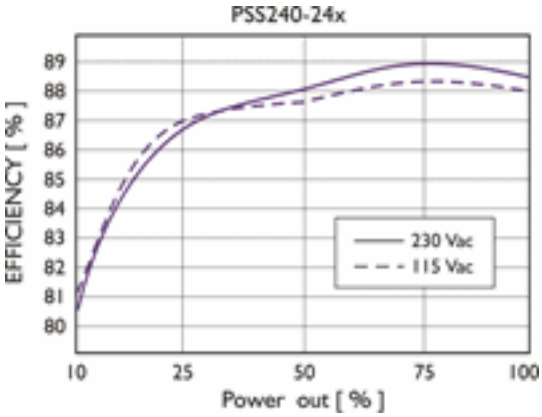
CIRCUIT SCHEMATIC



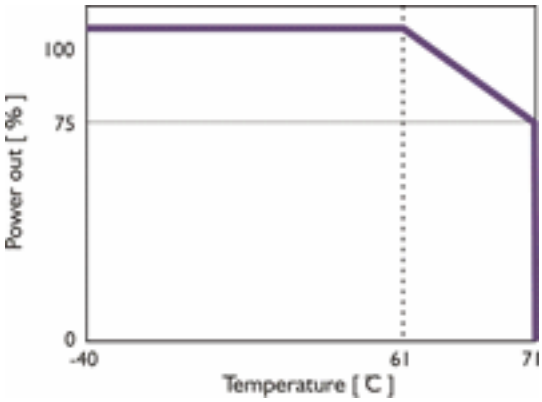
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2~4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

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connectwell
THE RIGHT CONNECTION

PSS300/24/12.5

12.5A,300W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 -264 VAC Auto select
-Typical efficiency of 89%
-Compact design with a width of only 83.5mm
-Parallel function available (Switch)
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-30 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	Screw terminal type L124.5 X W83.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	415000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	12.5 A
Output Wattage	300 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	87%
Efficiency (typ.)	89%
Standard Packing Qnty	1
Cat. No.	PSS300/24/12.5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 83.5 X 123.6 mm
Packing	1.53kg ; 16 pcs / 25.5 kg / 2.01 CUFT
Weight	1400 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I,Division 2,Groups A,B,C,and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T8A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	120 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	35 A
Max. Inrush Current (Vi: 230 VAC)	65 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	42 W
Rated Input Current -Max. (Vi : 115 VAC)	6.0 A
Rated Input Current -Max. (Vi : 230 VAC)	3.0 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.8 A
Rated Input Current -Typ. (Vi : 230 VAC)	1.9 A
Rated Input Voltage	115 /230 VAC (auto select)

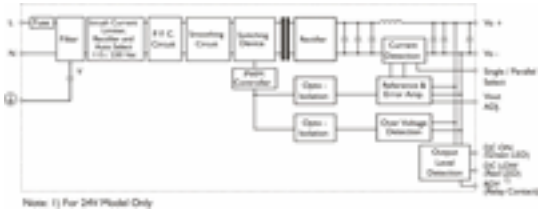
OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	12.5 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	12.5A @24Vdc / 10.5A @28.5Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

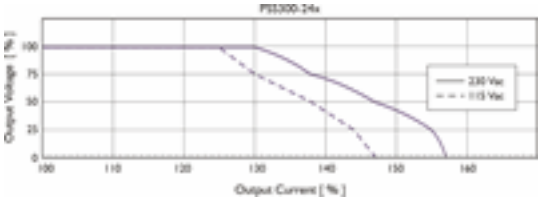
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emmissions
8	IN	L	Input terminals (phase conductor,no polarity at DC input)
9	IN	N	Input terminals (neutral conductor,no polarity at DC input)

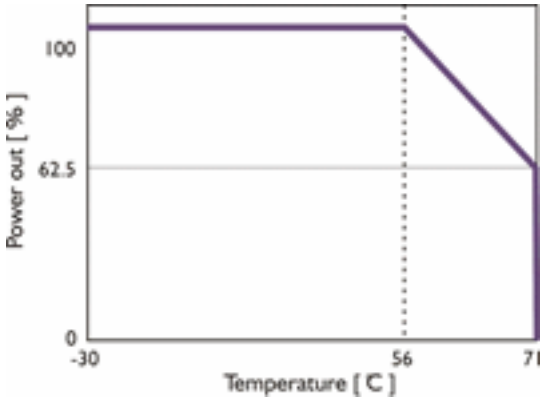
CIRCUIT SCHEMATIC



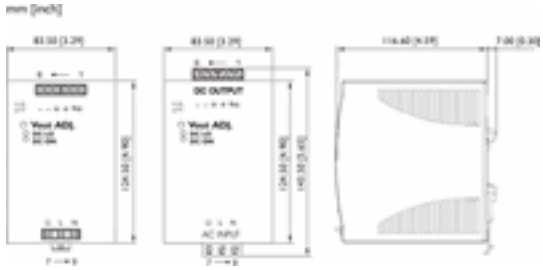
CURRENT LIMITED CURVE



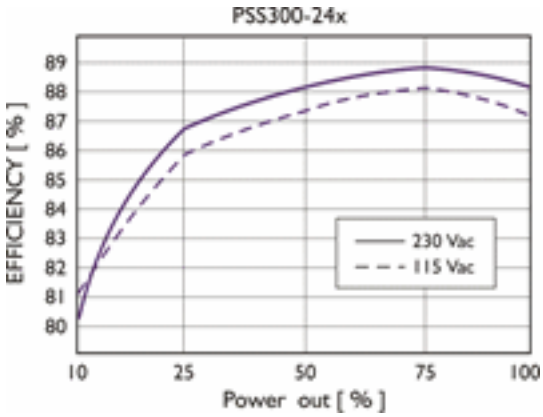
DERATING CURVE



DIMENTISONAL DIAGRAM



EFFICIENCY CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2~4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

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THE RIGHT CONNECTION

PSS480/24/20

20A,480W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 89 to 264 VAC Auto select
-Typical efficiency of 89%
-Compact design with a width of only 175.50mm
-Parallel function available (Switch)
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +56°C to +71°C (see derating curve)	2.5% per °C
Dimension	Screw terminal type L124.5 X W175.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	403000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	20 A
Output Wattage	480 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	86%
Efficiency (typ.)	89%
Standard Packing Qnty	1
Cat. No.	PSS480/24/20

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 175.5 X 123.6 mm
Packing	2.3kg ; 8 pcs / 20kg / 2.35 CUFT
Weight	1920 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01 (Class I,Division 2,Groups A,B,C,and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T10A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	180 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	25 A
Max. Inrush Current (Vi: 230 VAC)	50 A
P.F.C. (Passive)	0.99/0.97 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	63 W
Rated Input Current -Max. (Vi : 115 VAC)	7 A
Rated Input Current -Max. (Vi : 230 VAC)	3.5 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.9 A
Rated Input Current -Typ. (Vi : 230 VAC)	2.5 A
Rated Input Voltage	115 /230 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %

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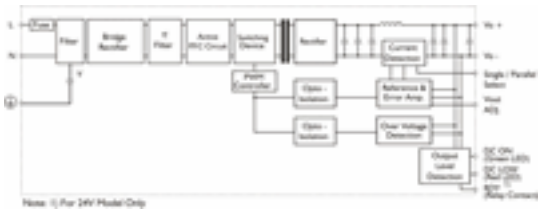
OUTPUT SPECIFICATIONS....

Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	20 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	20A @24Vdc / 16.8A @28.5Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

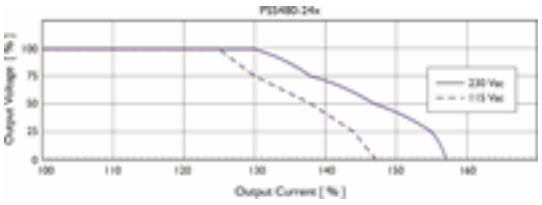
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1,2	OUT	V-	Negative output terminal
3,4	OUT	V+	Positive output terminal
5	OUT	RDY	A normal open relaycontact for DC ON level control
6	OUT		(never connect except 24V model)
7	IN	L	Input terminals (phase conductor,no polarity at DC input)
8	IN	N	Input terminals (neutral conductor,no polarity at DC input)
9	IN	Ground	Ground this terminal to minimize high frequency emmissions

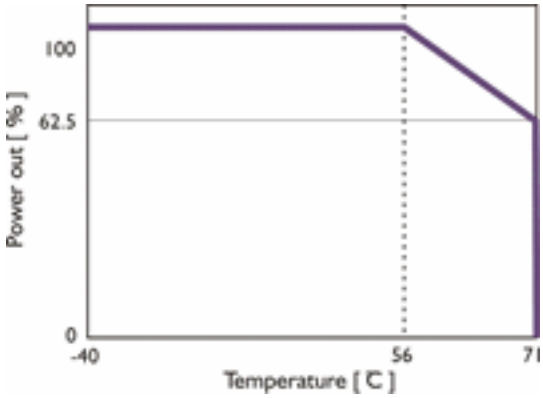
CIRCUIT SCHEMATIC



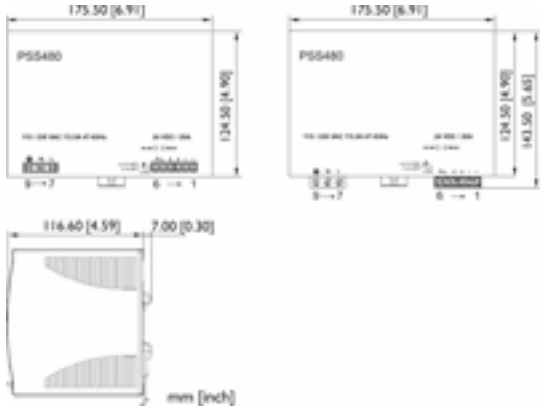
CURRENT LIMITED CURVE



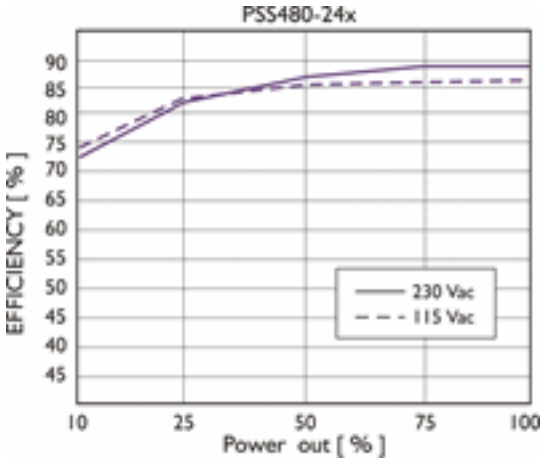
DERATING CURVE



DIMENTISONAL DIAGRAM



EFFICIENCY CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2~4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends\

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

connectwell
THE RIGHT CONNECTION

PSS120/24/3.8-L

3.8A,120W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 115 /230 VAC Auto select
-Typical efficiency of 85%
-Compact design with a width of only 64mm
-Parallel function available (Switch)
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Screw terminal type L124.5 X W64 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	486000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	3.8 A
Output Wattage	91.2 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	85%
Standard Packing Qnty	1
Cat. No.	PSS120/24/3.8-L

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 64 X 123.6 mm
Packing	1.02kg ; 20 pcs / 21.5 kg / 2.01 CUFT
Weight	920 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I,Division 2,Groups A,B,C,and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	102 to 106 %
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	102 to 108 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	24 A
Max. Inrush Current (Vi: 230 VAC)	48 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	16 W
Rated Input Current -Max. (Vi : 115 VAC)	2.0 A
Rated Input Current -Max. (Vi : 230 VAC)	0.8 A
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.65 A
Rated Input Voltage	115 /230 VAC (auto select)

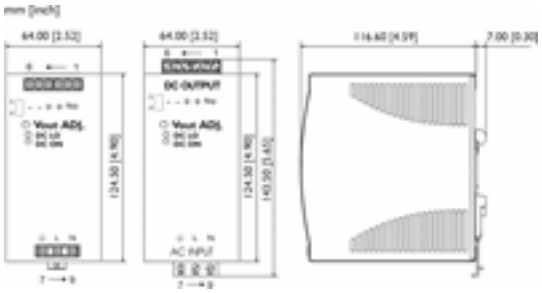
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	85%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	3.8 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 24.5 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	3.8A @24Vdc / 3.7A @24.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

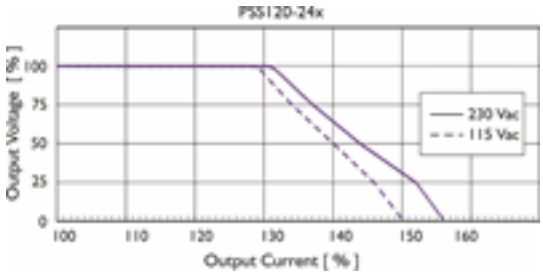
PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emmissions
8	IN	L	Input terminals (phase conductor,no polarity at DC input)
9	IN	N	Input terminals (neutral conductor,no polarity at DC input)

DIMENTISONAL DIAGRAM

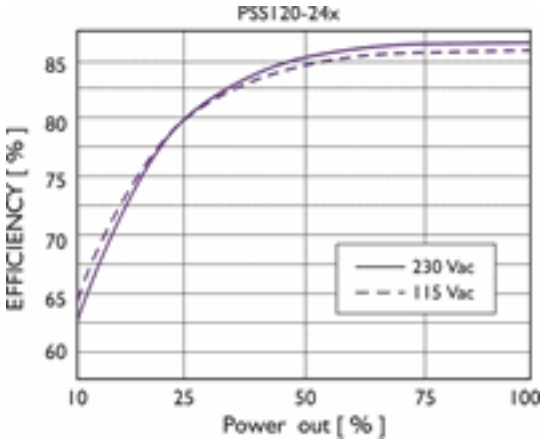


CIRCUIT SCHEMATIC

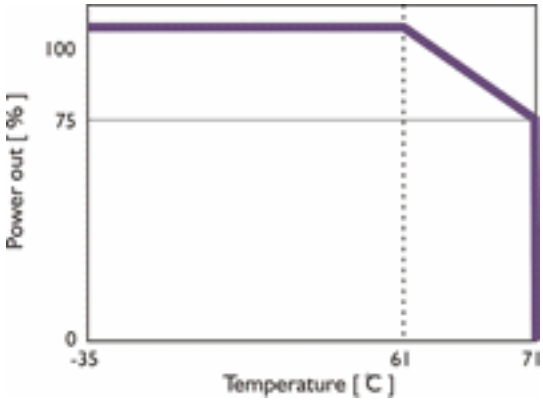
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened. Connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches. 8m/m stripping at cable end recommends.Use copper conductors only,60/75°C

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2~4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

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THE RIGHT CONNECTION

PSS5/12/0.42

0.42A ,5W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 to 265VAC
-Typical efficiency of 72%
-Compact design with a width of only 22.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	805000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	420 mA
Output Wattage	5 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	70%
Efficiency (typ.)	72%
Standard Packing Qnty	1
Cat. No.	PSS5/12/0.42

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	1.9 W

INPUT SPECIFICATIONS....

Rated Input Current -Max. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 115 VAC)	115 mA
Rated Input Current -Typ. (Vi : 230 VAC)	80 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

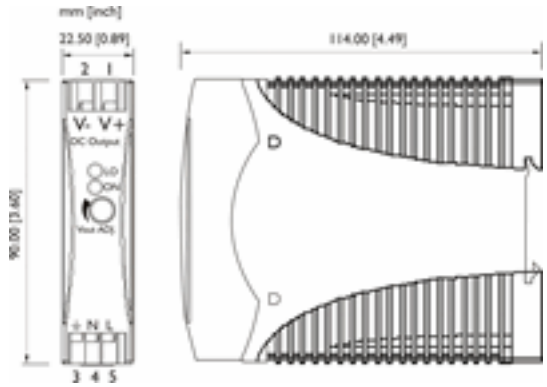
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9.0 to 10.8 VDC
DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8 VDC
Efficiency	72%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	30 msec
Hold Up Time (Vi: 230VAC)	130 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	420 mA
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	18 VDC
Rated Continuous Loading	0.42A @12Vdc / 0.36A @13.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

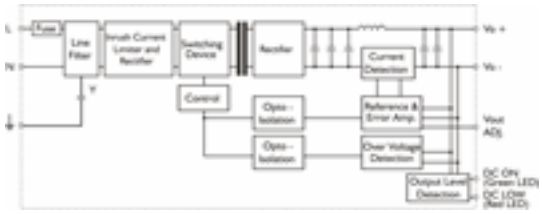
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emmissions
4	IN	N	Input terminals (neutral conductor,no polarity at DC input)
5	IN	L	Input terminals (phase conductor,no polarity at DC input)

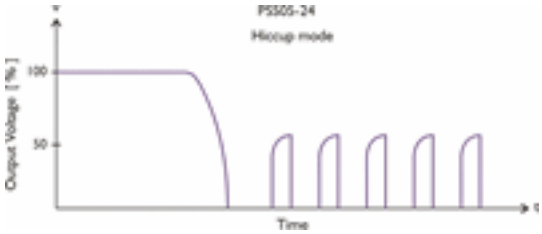
DIMENTISONAL DIAGRAM



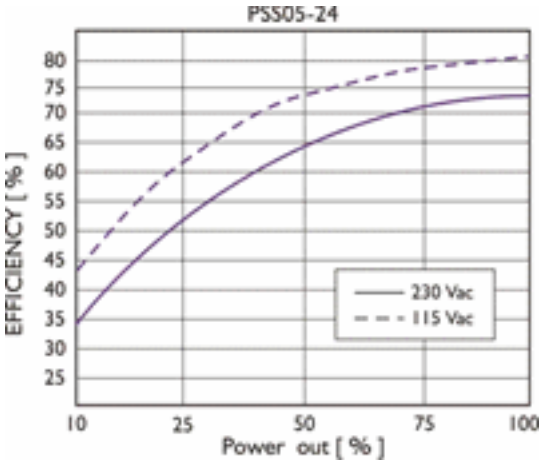
CIRCUIT SCHEMATIC



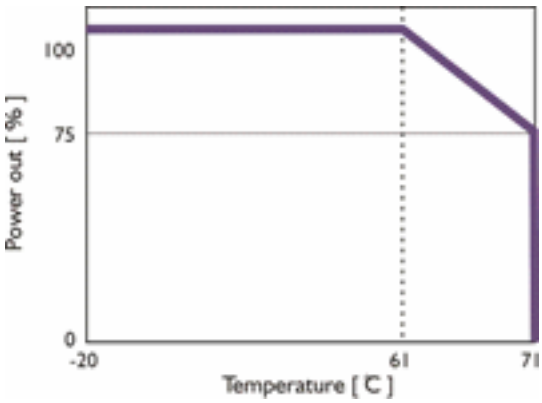
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2~2mm) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

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THE RIGHT CONNECTION

PSS10/12/0.84

0.84A,10W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 to 264VAC
-Typical efficiency of 76%
-Compact design with a width of only 22.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	803000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	840 mA
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	73%
Efficiency (typ.)	75%
Standard Packing Qnty	1
Cat. No.	PSS10/12/0.84

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A

INPUT SPECIFICATIONS....

Power Dissipation (Vi: 230 VAC, Io norm)	3.4 W
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 230 VAC)	130 mA
Rated Input Current -Typ. (Vi : 90 VAC)	300 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

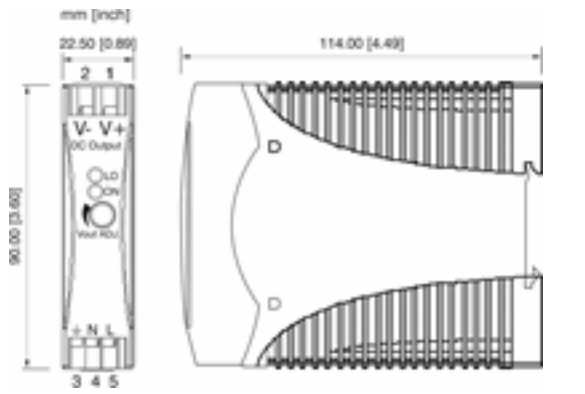
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9.0 to 10.8 VDC
DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8 VDC
Efficiency	76%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	840 mA
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	18 VDC
Rated Continuous Loading	0.84A @12Vdc / 0.72A @13.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

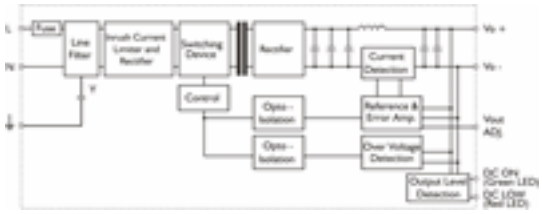
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emmissions
4	IN	N	Input terminals (neutral conductor,no polarity at DC input)
5	IN	L	Input terminals (phase conductor,no polarity at DC input)

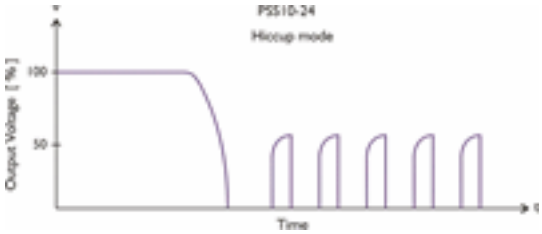
DIMENTISONAL DIAGRAM



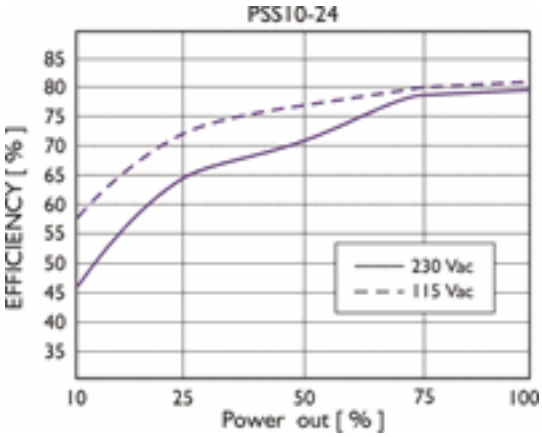
CIRCUIT SCHEMATIC



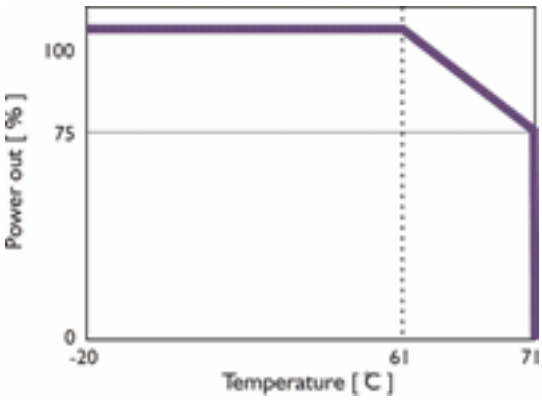
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2~2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

connectwell
THE RIGHT CONNECTION

PSS18/12/1.5

1.5A,18W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 to 264VAC
-Typical efficiency of 77%
-Compact design with a width of only 22.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	797000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 V
Output Current	1500 mA
Output Wattage	18 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	75%
Efficiency (typ.)	77%
Standard Packing Qnty	1
Cat. No.	PSS18/12/1.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.23 kg ; 56 pcs / 14 kg / 2.16 CUFT
Weight	150 g

APPROVALS

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ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	4.65 W

INPUT SPECIFICATIONS....

Rated Input Current -Typ. (Vi : 115 VAC)	335 mA
Rated Input Current -Typ. (Vi : 230 VAC)	210 mA
Rated Input Current -Typ. (Vi : 90 VAC)	500 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

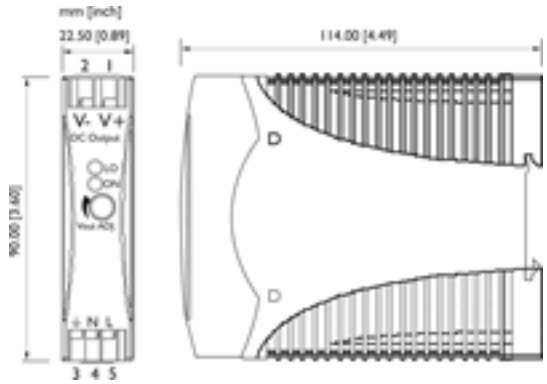
OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	9.0 to 10.8VDC
DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8VDC
Efficiency	77%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	75 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	1500 mA
Output Voltage	12 V
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	18 V
Rated Continuous Loading	1.5A @12Vdc / 1.3A @13.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

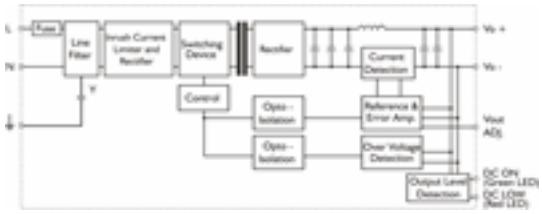
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emmissions
4	IN	N	Input terminals (neutral conductor,no polarity at DC input)
5	IN	L	Input terminals (phase conductor,no polarity at DC input)

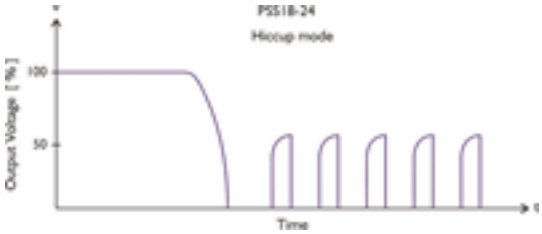
DIMENTISONAL DIAGRAM



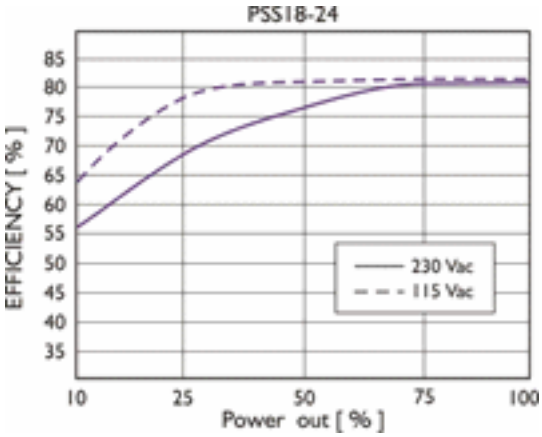
CIRCUIT SCHEMATIC



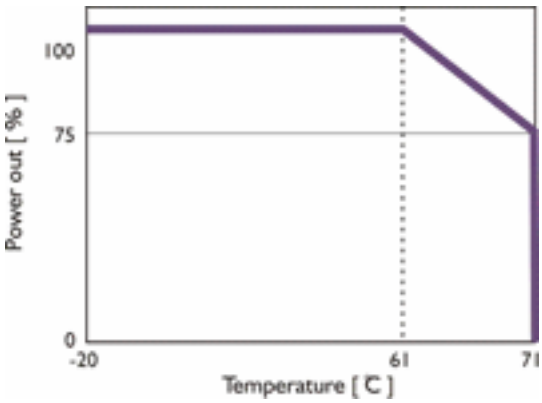
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2~2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

connectwell
THE RIGHT CONNECTION

PSS30/12/2.5

2.5A,30W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 85 to 264VAC
-Typical efficiency of 86%
-Compact design with a width of only 40.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	582000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	80-135 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	2500 mA
Output Wattage	30 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	84%
Standard Packing Qnty	1
Cat. No.	PSS30/12/2.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.35 kg ; 40 pcs / 15 kg / 2.16 CUFT
Weight	270 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	15 to 16.5 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	5.6 W
Rated Input Current -Max. (Vi : 115 VAC)	800 mA
Rated Input Current -Typ. (Vi : 115 VAC)	560 mA
Rated Input Current -Typ. (Vi : 230 VAC)	330 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

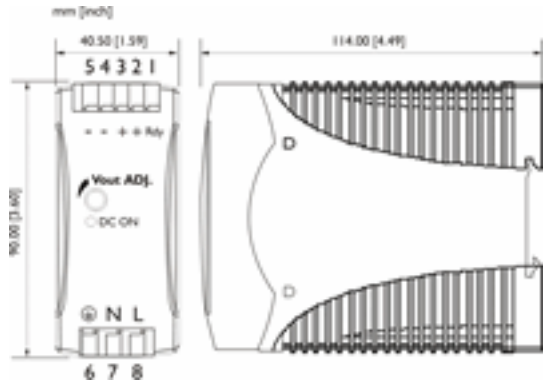
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	2500 mA
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	12 to 14 VDC
Power Back Immunity	18 VDC
Rated Continuous Loading	2.5A @12Vdc / 2.1A @14Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	2000 msec

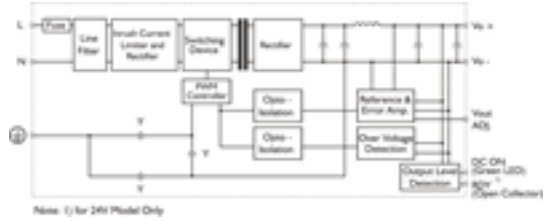
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emmissions
7	IN	N	Input terminals (neutral conductor,no polarity at DC input)
8	IN	L	Input terminals (phase conductor,no polarity at DC input)

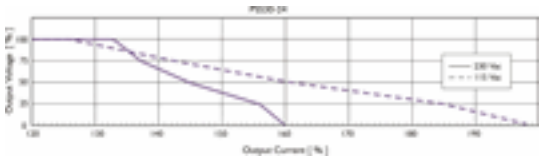
DIMENTISONAL DIAGRAM



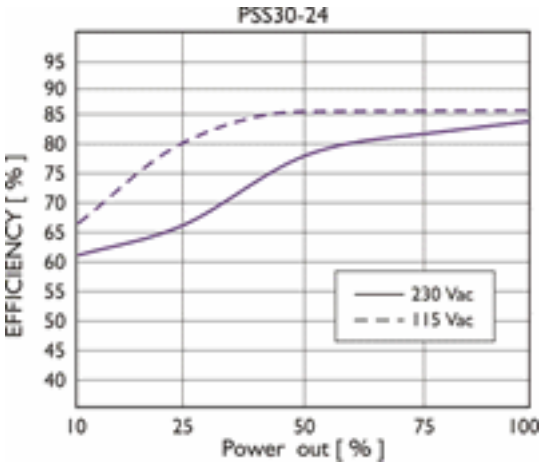
CIRCUIT SCHEMATIC



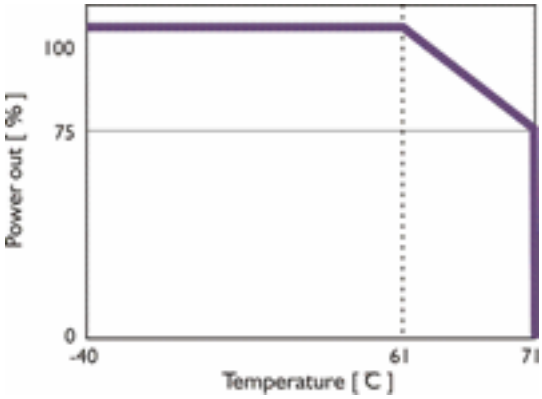
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2~2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

Connectwell Industries Pvt. Ltd. D7, Phase 2, MIDC, Dombivli (E), Maharashtra, India - 421204. Tel : +91 251 3980 600 / +91 251 3980 800 Fax : +91 251 3980 700 Email : connect@connectwell.com Website : www.connectwell.com b

connectwell
THE RIGHT CONNECTION

PSS60/12/5

5A,60W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 85 to 264VAC
-Typical efficiency of 89%
-Compact design with a width of only 40.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	504000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55-90 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	5000 mA
Output Wattage	60 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	84%
Efficiency (typ.)	86%
Standard Packing Qnty	1
Cat. No.	PSS60/12/5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.41kg ; 40 pcs / 17.5 kg / 2.16 CUFT
Weight	340 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V,12V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	15.0 to 16.5 VDC
Rated over load protection	110 to 150 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	9.0 W
Rated Input Current -Max. (Vi : 115 VAC)	1500 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1060 mA
Rated Input Current -Typ. (Vi : 230 VAC)	590 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF

Connectwell Industries Pvt. Ltd. D7, Phase 2, MIDC, Dombivli (E), Maharashtra, India - 421204. Tel : +91 251 3980 600 / +91 251 3980 800 Fax : +91 251 3980 700 Email : connect@connectwell.com Website : www.connectwell.com b

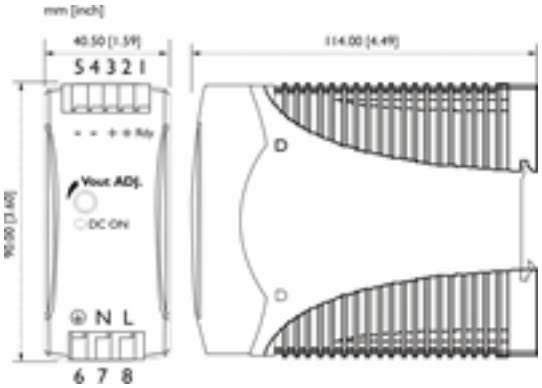
OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	5000 mA
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	12 to 14 VDC
Power Back Immunity	18 VDC
Rated Continuous Loading	5A @12Vdc / 4.25A @14Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

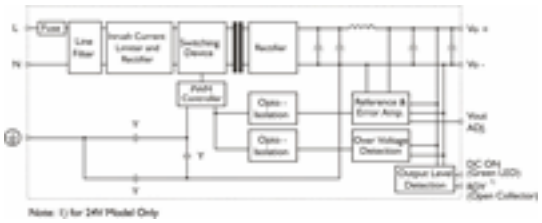
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emmissions
7	IN	N	Input terminals (neutral conductor,no polarity at DC input)
8	IN	L	Input terminals (phase conductor,no polarity at DC input)

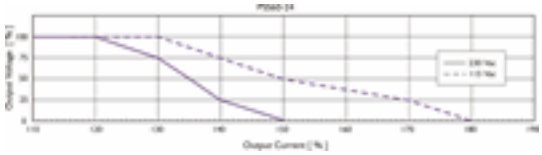
DIMENTISONAL DIAGRAM



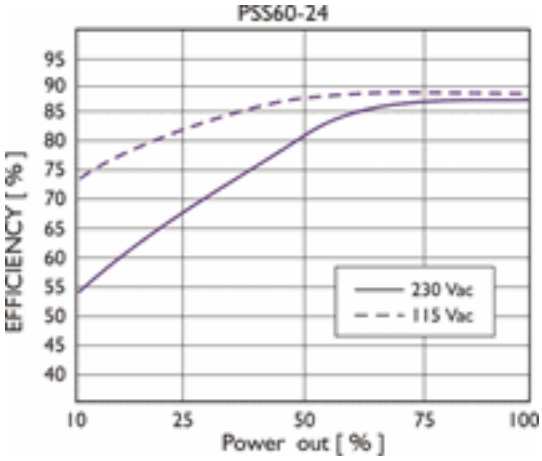
CIRCUIT SCHEMATIC



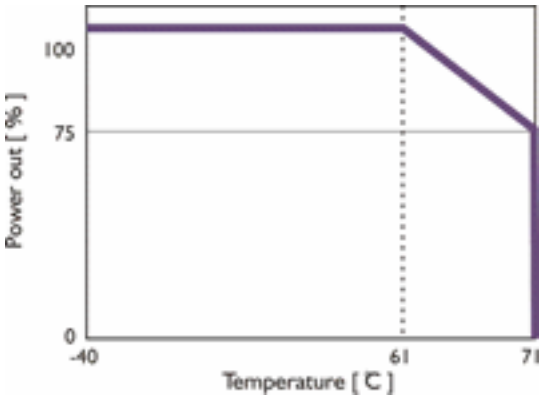
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal:AWG24-14 (0.2~2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

connectwell
THE RIGHT CONNECTION

PSS100/12/8.4

8.4A,100W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 /264VAC Auto select
-Typical efficiency of 88%
-Compact design with a width of only 54mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L90 X W54 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	448000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	8.4 A
Output Wattage	100 W
Input Voltage Range	90/264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	84%
Standard Packing Qnty	1
Cat. No.	PSS100/12/8.4

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 54 X 114 mm
Packing	0.51kg ; 32 pcs / 17.5 kg / 1.85 CUFT
Weight	430 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 24V/E w/o Class 2) Recognized
Vibration resistance:	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	14.5 to 17.4 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	18.5 W
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Current -Typ. (Vi : 90 VAC)	2.4 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	10.0 to11.2 VDC
DC ON Indicator Threshold at start up (Green LED)	10.0 to11.2 VDC

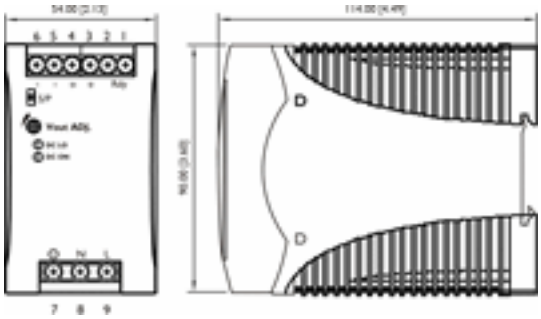
OUTPUT SPECIFICATIONS....

Efficiency	88%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	15 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	8.4 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	11.4 to 14.5 VDC
Parallel Operation	3 unit
Power Back Immunity	18 VDC
Rated Continuous Loading	8.4A @12Vdc / 6.9A @14.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

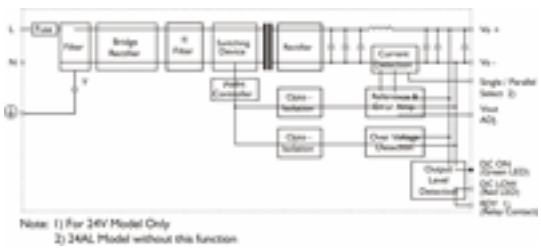
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emmissions
8	IN	N	Input terminals (neutral conductor,no polarity at DC input)
9	IN	L	Input terminals (phase conductor,no polarity at DC input)

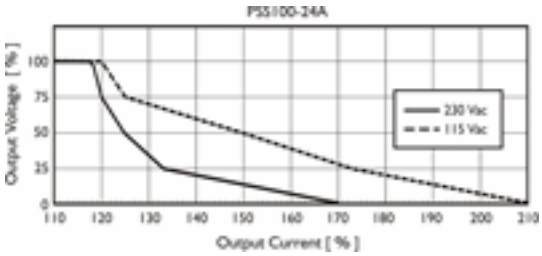
DIMENTISONAL DIAGRAM



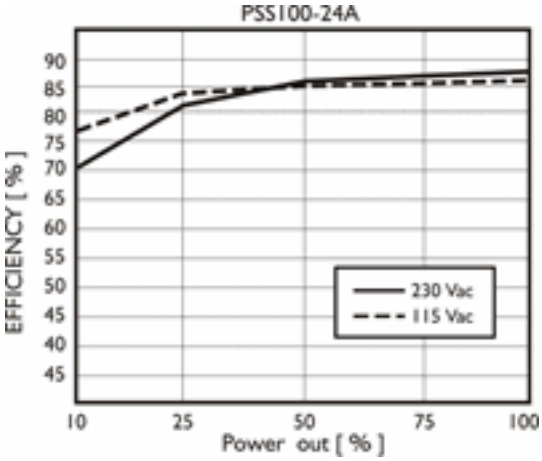
CIRCUIT SCHEMATIC



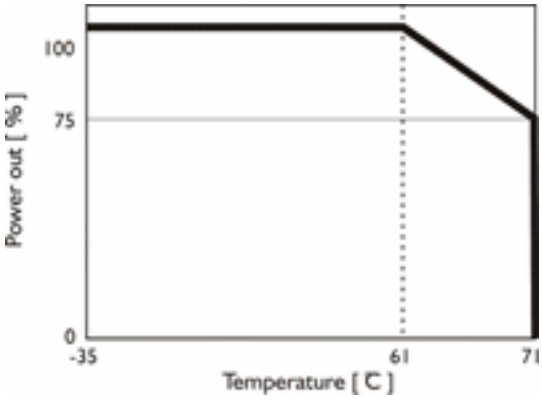
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches

CONNECTION DETAILS

Screw terminal: 2 AWG24-10 (0.2~4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.

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THE RIGHT CONNECTION

PSS120/12/10

10A,120W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 /264 VAC Auto select
-Typical efficiency of 84%
-Compact design with a width of only 64mm
-Parallel function available (Switch)
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L124.5 X W64 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	440000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	10 A
Output Wattage	120 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	84%
Standard Packing Qnty	1
Cat. No.	PSS120/12/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 64 X 123.6 mm
Packing	1.02kg ; 20 pcs / 21.5 kg / 2.01 CUFT
Weight	920 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I,Division 2,Groups A,B,C,and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	24 A
Max. Inrush Current (Vi: 230 VAC)	48 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	24 W
Rated Input Current -Max. (Vi : 115 VAC)	2.8 A
Rated Input Current -Max. (Vi : 230 VAC)	1.4 A
Rated Input Current -Typ. (Vi : 115 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Voltage	115 /230 VAC (auto select)

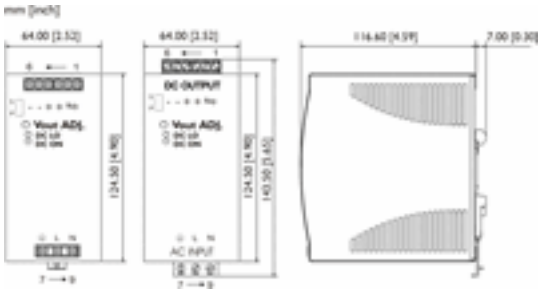
OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	10.0 to11.2 VDC
DC ON Indicator Threshold at start up (Green LED)	10.0 to11.2 VDC
Efficiency	84%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	10 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	11.4 to 14.5 VDC
Parallel Operation	3 unit
Power Back Immunity	18 VDC
Rated Continuous Loading	10A @12Vdc / 8.2A @14.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

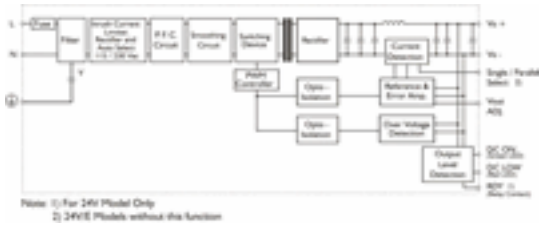
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emmissions
8	IN	L	Input terminals (phase conductor,no polarity at DC input)
9	IN	N	Input terminals (neutral conductor,no polarity at DC input)

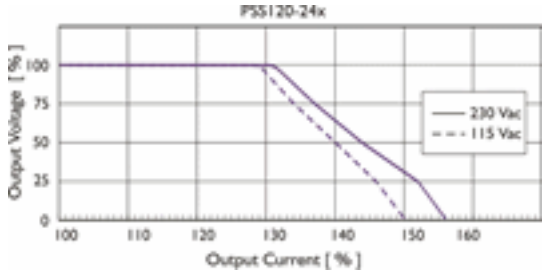
DIMENTISONAL DIAGRAM



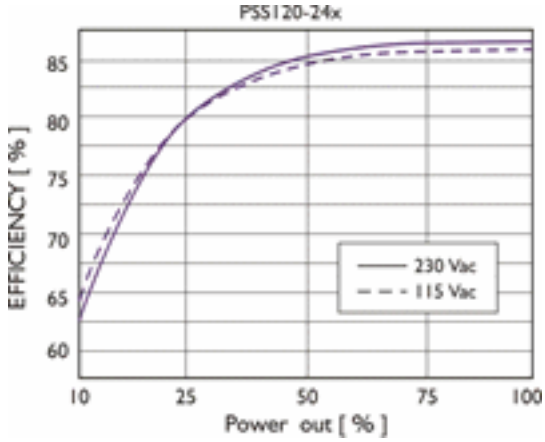
CIRCUIT SCHEMATIC



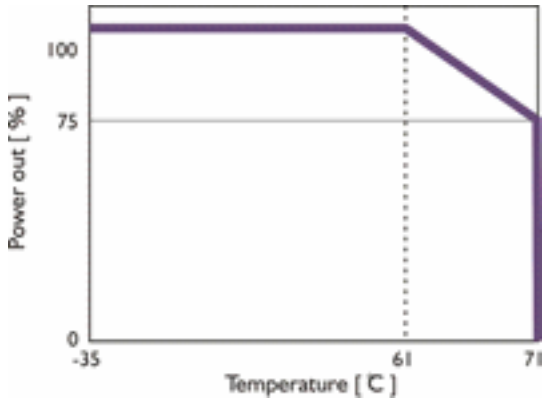
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened. Connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches. 8m/m stripping at cable end recommends.Use copper conductors only,60/75°C

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2~4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

connectwell
THE RIGHT CONNECTION

PSS5/5/1

1A,Single Phase Din Rail Mountable Switching Power Supplies

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<tr height="20">
<td width="440" height="20">-Full Range Input selection from 90 to
265 VAC</td>
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<tr height="20">
<td height="20">-Typical efficiency of 69%</td>
</tr>

<tr height="20">
<td height="20">-Compact Design with a width of only 22.5 mm</td>
</tr>

<tr height="20">
<td height="20">-Two years product warranty</td>
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GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg cel
Ambient Temperature Range (Storage)	-25 to +85 deg cel
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% / °C
Dimension	Spring terminal type L90 x W22.5 x D114
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	801000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 % RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	± 0.03 % per deg.cel

ORDERING INFORMATION

Output Voltage	5 V
Output Current	1 A
Output Wattage	5 W
Input Voltage Range	90~264 VAC
Efficiency (min.)	67%
Efficiency (typ.)	69%
Standard Packing Qnty	1
Cat. No.	PSS5/5/1

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2 ,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL / cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A

INPUT SPECIFICATIONS....

Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	2.2 W
Rated Input Current -Max. (Vi : 230 VAC)	200 mA
Rated Input Current -Typ. (Vi : 115 VAC)	115 mA
Rated Input Current -Typ. (Vi : 230 VAC)	80 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

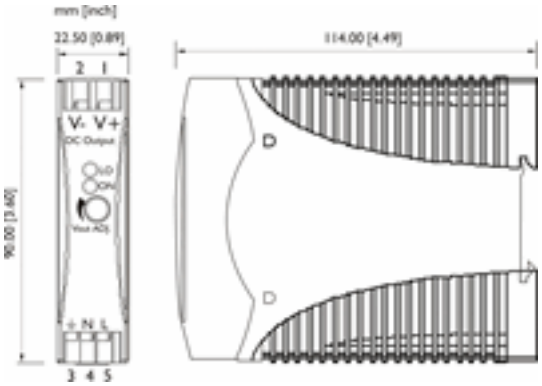
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5 to 4.5 VDC
DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	69%,
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	30 msec
Hold Up Time (Vi: 230VAC)	130 msec
Line Regulation	± 1%
Load Regulation	± 2%
Minimum Load	0%
Output Current	1 A
Output Voltage	5 V
Output Voltage Accuracy (Adjusted before shipment)	0 to +1%
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	7.5 VDC
Rated Continuous Loading	1.0 A @ 5Vdc / 0.85 A @ 5.75 Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 msec
Turn On Time With 3500 µF	1500 msec

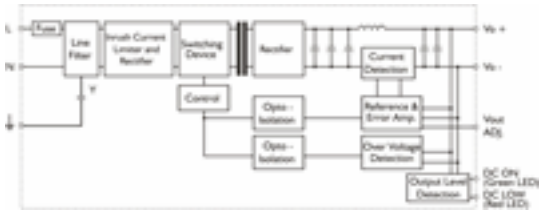
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emmissions
4	IN	N	Input terminals (neutral conductor,no polarity at DC input)
5	IN	L	Input terminals (phase conductor,no polarity at DC input)

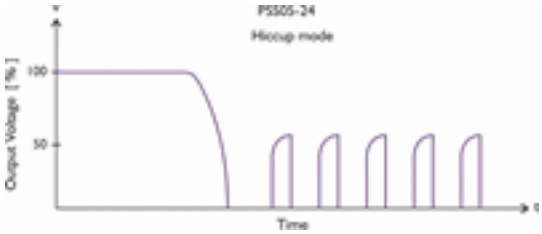
DIMENTISONAL DIAGRAM



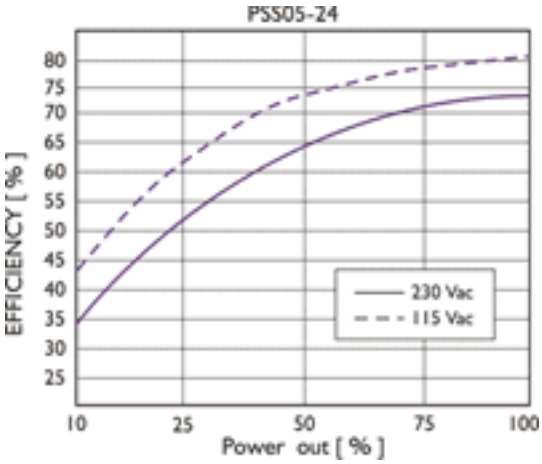
CIRCUIT SCHEMATIC



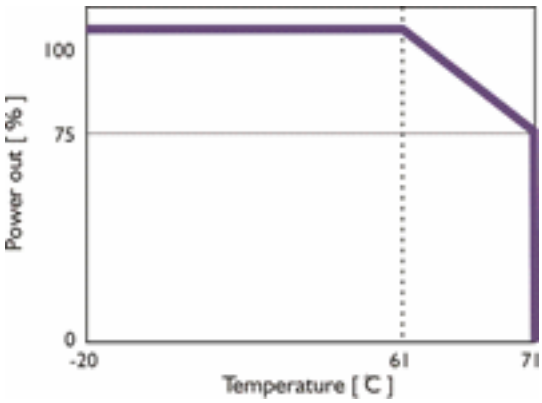
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2~2mm) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

connectwell
THE RIGHT CONNECTION

PSS10/5/2

2A,10W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 to 264VAC
-Typical efficiency of 76%
-Compact design with a width of only 22.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	801000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	2000 mA
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	71%
Efficiency (typ.)	73%
Standard Packing Qnty	1
Cat. No.	PSS10/5/2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A

INPUT SPECIFICATIONS....

Power Dissipation (Vi: 230 VAC, Io norm)	4.0 W
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 230 VAC)	130 mA
Rated Input Current -Typ. (Vi : 90 VAC)	300 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

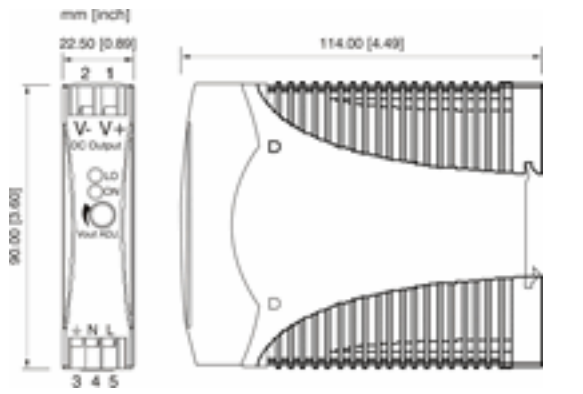
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5 to 4.5 VDC
DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	73%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	2000 mA
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	7.5 VDC
Rated Continuous Loading	2A @5Vdc / 1.7A @5.75Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

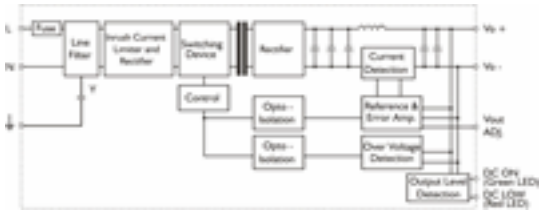
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal.
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emmissions
4	IN	N	Input terminals (neutral conductor,no polarity at DC input)
5	IN	L	Input terminals (phase conductor,no polarity at DC input)

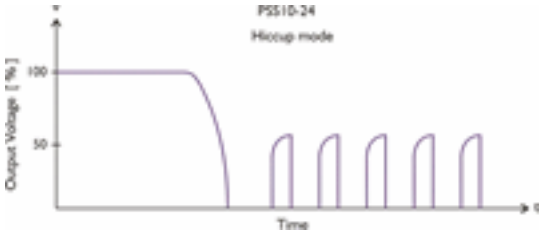
DIMENTISONAL DIAGRAM



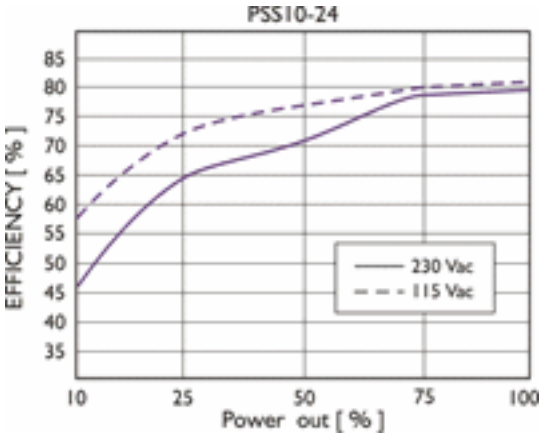
CIRCUIT SCHEMATIC



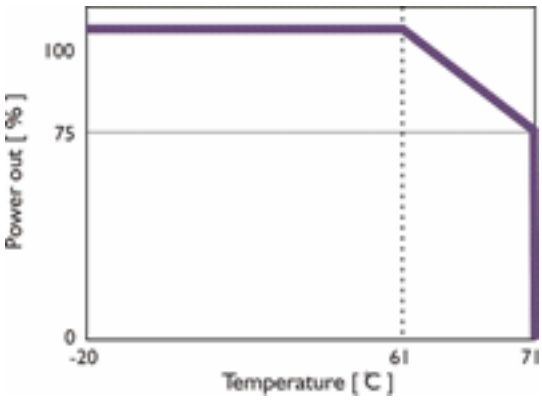
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2~2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

connectwell
THE RIGHT CONNECTION

PSS15/5/3

3A,15W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 to 264VAC
-Typical efficiency of 75%
-Compact design with a width of only 22.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	795000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	3000 mA
Output Wattage	15 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	73%
Efficiency (typ.)	75%
Standard Packing Qnty	1
Cat. No.	PSS15/5/3

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.23 kg ; 56 pcs / 14 kg / 2.16 CUFT
Weight	150 g

APPROVALS

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ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	5.0 W

INPUT SPECIFICATIONS....

Rated Input Current -Typ. (Vi : 115 VAC)	335 mA
Rated Input Current -Typ. (Vi : 230 VAC)	210 mA
Rated Input Current -Typ. (Vi : 90 VAC)	500 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

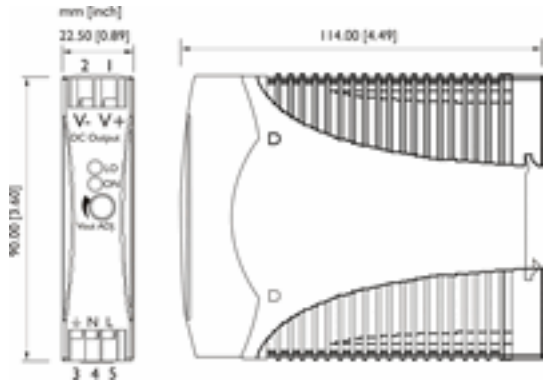
OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5 to 4.5 VDC
DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	77%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	75 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	3000 mA
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 VDC
Power Back Immunity	7.5 VDC
Rated Continuous Loading	3A @5Vdc / 2.6A @5.75Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

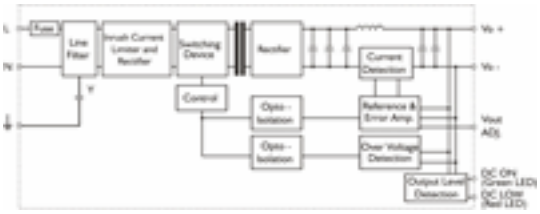
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emmissions
4	IN	N	Input terminals (neutral conductor,no polarity at DC input)
5	IN	L	Input terminals (phase conductor,no polarity at DC input)

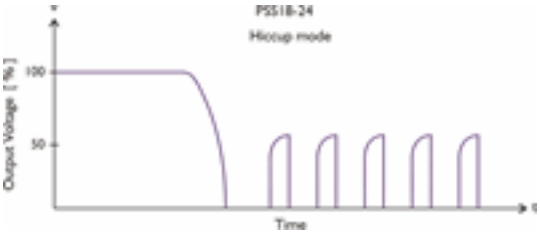
DIMENTISONAL DIAGRAM



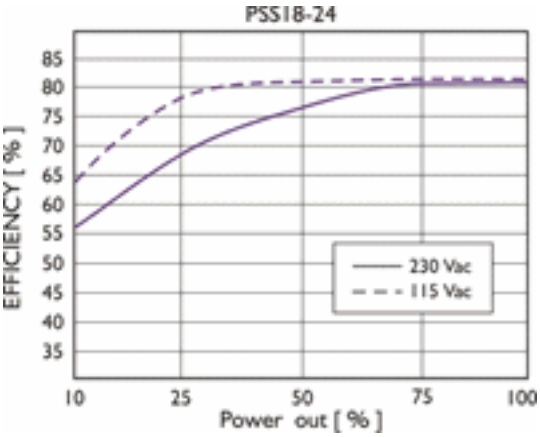
CIRCUIT SCHEMATIC



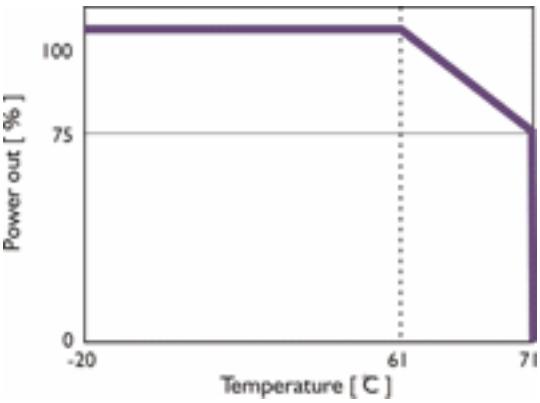
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2~2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

connectwell
THE RIGHT CONNECTION

PSS30/5/6

PSS30/5/6,30W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 85 to 264VAC
-Typical efficiency of 86%
-Compact design with a width of only 40.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	551000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	80-135 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	6000 mA
Output Wattage	30 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	77%
Efficiency (typ.)	79%
Standard Packing Qnty	1
Cat. No.	PSS30/5/6

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.35 kg ; 40 pcs / 15 kg / 2.16 CUFT
Weight	270 G

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	6.0 to 6.8 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	8.5 W
Rated Input Current -Max. (Vi : 115 VAC)	800 mA
Rated Input Current -Typ. (Vi : 115 VAC)	560 mA
Rated Input Current -Typ. (Vi : 230 VAC)	330 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

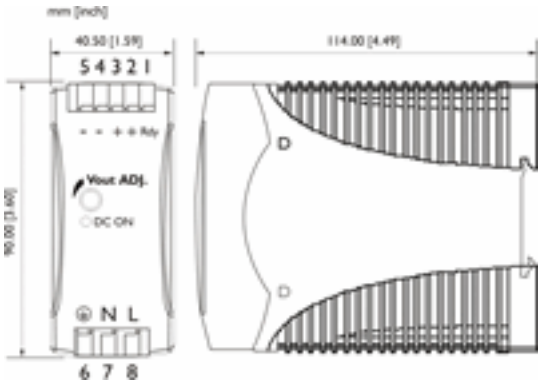
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	6000 mA
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	5 to 5.5 VDC
Power Back Immunity	7.5 VDC
Rated Continuous Loading	6A @5Vdc / 5.4A @5.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	2000 msec

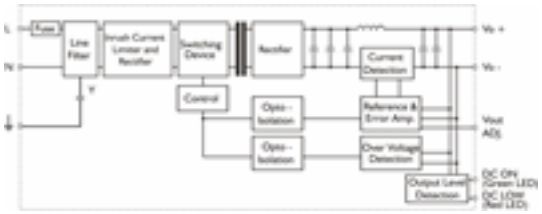
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emmissions
7	IN	N	Input terminals (neutral conductor,no polarity at DC input)
8	IN	L	Input terminals (phase conductor,no polarity at DC input)

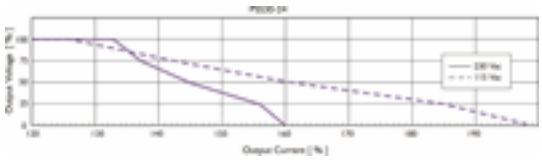
DIMENTISONAL DIAGRAM



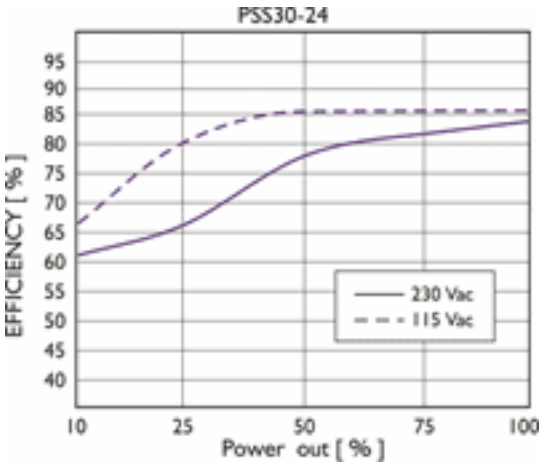
CIRCUIT SCHEMATIC



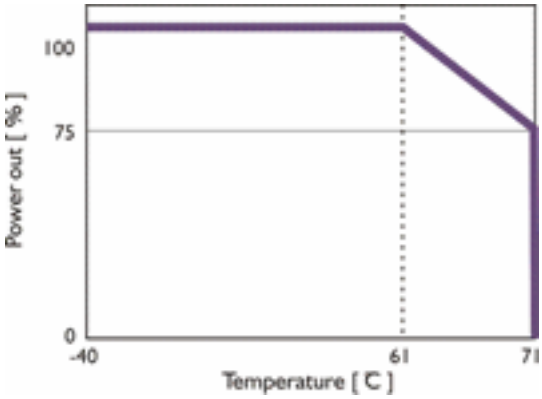
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2~2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

connectwell
THE RIGHT CONNECTION

PSS50/5/10

10A,50W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 85 to 264VAC
-Typical efficiency of 89%
-Compact design with a width of only 40.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% / °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	498000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55-90 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	10000 mA
Output Wattage	50 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	77%
Efficiency (typ.)	79%
Standard Packing Qnty	1
Cat. No.	PSS50/05/10

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.41kg ; 40 pcs / 17.5 kg / 2.16 CUFT
Weight	340 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V,12V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	6.0 to 6.8 VDC
Rated over load protection	110 to 150 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	12.5 W
Rated Input Current -Max. (Vi : 115 VAC)	1500 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1060 mA
Rated Input Current -Typ. (Vi : 230 VAC)	590 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF

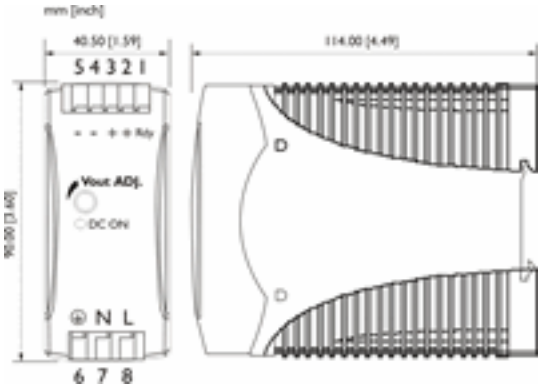
OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	10000 mA
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	5 to 5.5 VDC
Power Back Immunity	7.5 VDC
Rated Continuous Loading	10A @5Vdc / 9.0A @5.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

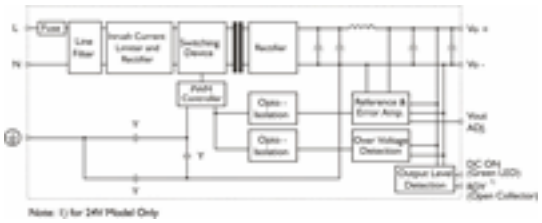
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emmissions
7	IN	N	Input terminals (neutral conductor,no polarity at DC input)
8	IN	L	Input terminals (phase conductor,no polarity at DC input)

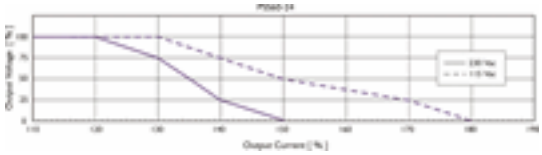
DIMENTISONAL DIAGRAM



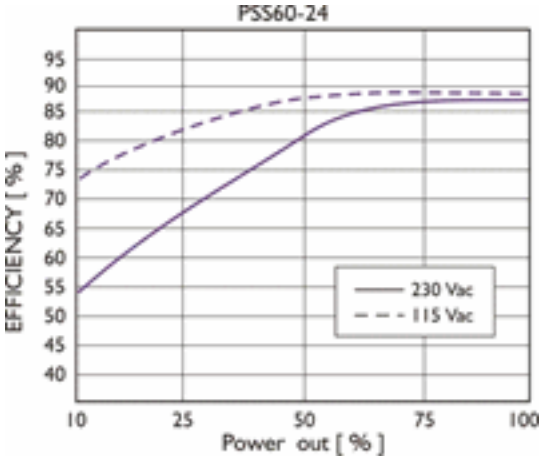
CIRCUIT SCHEMATIC



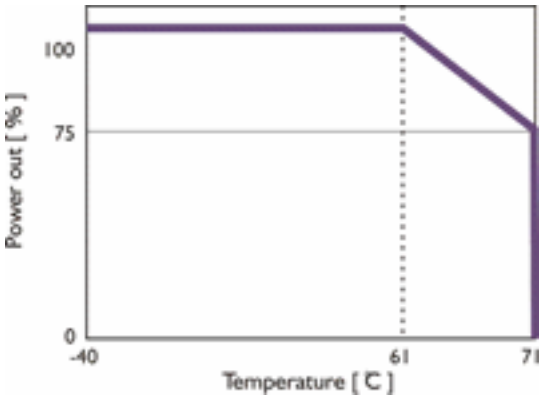
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2~2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

connectwell
THE RIGHT CONNECTION

PSS30/48/0.63

0.63A,30W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 85 to 264VAC
-Typical efficiency of 86%
-Compact design with a width of only 40.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	609000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	80-135 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	625 mA
Output Wattage	30 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	86%
Standard Packing Qnty	1
Cat. No.	PSS30/48/0.63

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.35 kg ; 40 pcs / 15 kg / 2.16 CUFT
Weight	270 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	60 to 66 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	4.9 W
Rated Input Current -Max. (Vi : 115 VAC)	800 mA
Rated Input Current -Typ. (Vi : 115 VAC)	560 mA
Rated Input Current -Typ. (Vi : 230 VAC)	330 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

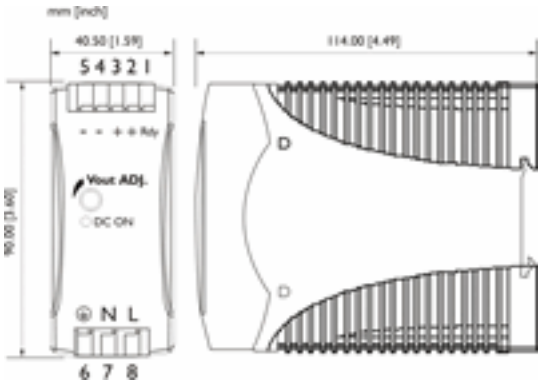
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC ON Indicator Threshold at start up (Green LED)	37 to 43VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	625 mA
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	48 to 55 VDC
Power Back Immunity	63 VDC
Rated Continuous Loading	0.625A @48Vdc / 0.54A @55Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	2000 msec

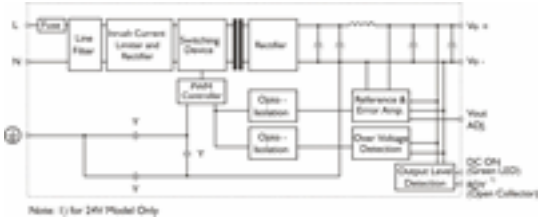
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emmissions
7	IN	N	Input terminals (neutral conductor,no polarity at DC input)
8	IN	L	Input terminals (phase conductor,no polarity at DC input)

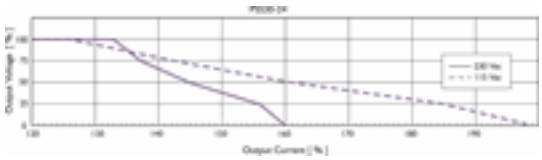
DIMENTISONAL DIAGRAM



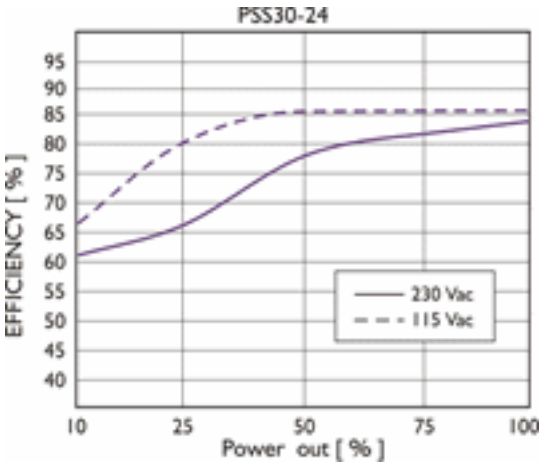
CIRCUIT SCHEMATIC



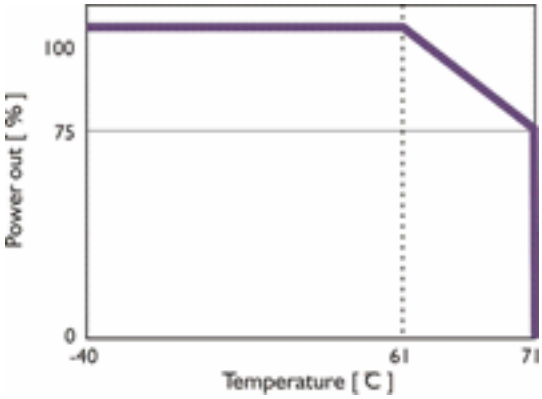
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2~2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

Connectwell Industries Pvt. Ltd. D7, Phase 2, MIDC, Dombivli (E), Maharashtra, India - 421204. Tel : +91 251 3980 600 / +91 251 3980 800 Fax : +91 251 3980 700 Email : connect@connectwell.com Website : www.connectwell.com b

connectwell
THE RIGHT CONNECTION

PSS60/48/1.25

1.25A,60W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 85 to 264VAC
-Typical efficiency of 89%
-Compact design with a width of only 40.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	531000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55-90 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	1250 mA
Output Wattage	60 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	86%
Efficiency (typ.)	89%
Standard Packing Qnty	1
Cat. No.	PSS60/48/1.25

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.41kg ; 40 pcs / 17.5 kg / 2.16 CUFT
Weight	340 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V,12V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	60.0 to 66.0 VDC
Rated over load protection	110 to 150 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	7.8 W
Rated Input Current -Max. (Vi : 115 VAC)	1500 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1060 mA
Rated Input Current -Typ. (Vi : 230 VAC)	590 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF

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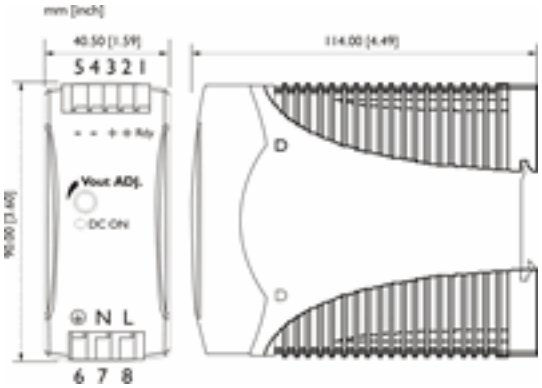
OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	1250 mA
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	48 to 55 VDC
Power Back Immunity	63 VDC
Rated Continuous Loading	1.25A @48Vdc / 1.08A @55Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

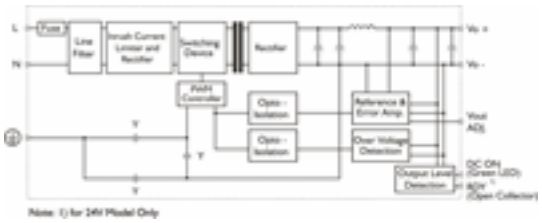
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emmissions
7	IN	N	Input terminals (neutral conductor,no polarity at DC input)
8	IN	L	Input terminals (phase conductor,no polarity at DC input)

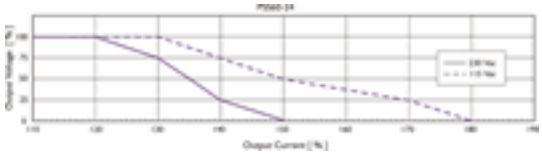
DIMENTISONAL DIAGRAM



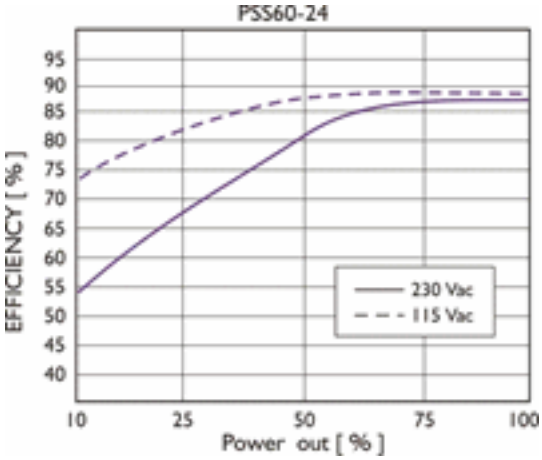
CIRCUIT SCHEMATIC



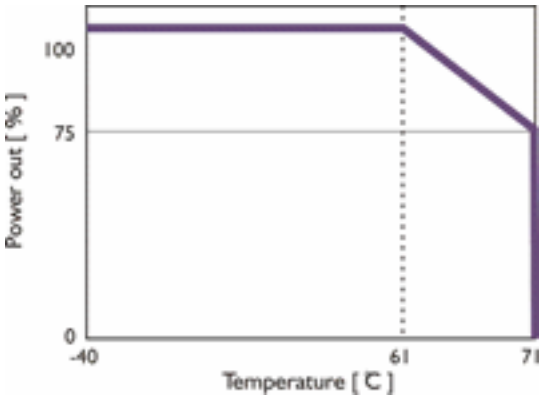
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal:AWG24-14 (0.2~2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

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connectwell
THE RIGHT CONNECTION

PSS100/48/2.1

2.1A,100W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 /264VAC Auto select
-Typical efficiency of 88%
-Compact design with a width of only 54mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L90 X W54 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	490000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	2.1 A
Output Wattage	100.8 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	86%
Efficiency (typ.)	88%
Standard Packing Qnty	1
Cat. No.	PSS100/48/2.1

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 54 X 114 mm
Packing	0.51kg ; 32 pcs / 17.5 kg / 1.85 CUFT
Weight	430 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 24V/E w/o Class 2) Recognized
Vibration resistance:	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	60 to 66 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	14 W
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Current -Typ. (Vi : 90 VAC)	2.4 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC
DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC

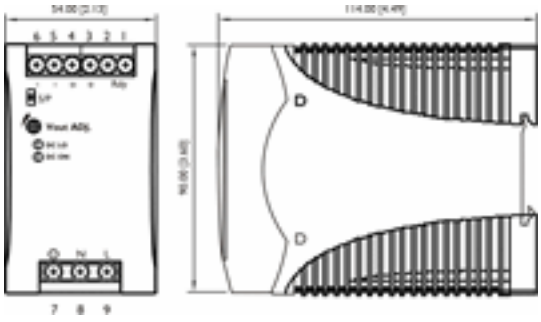
OUTPUT SPECIFICATIONS....

Efficiency	88%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	15 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	2.1 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	47 to 56 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	2.1A @48Vdc / 1.8A @56Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

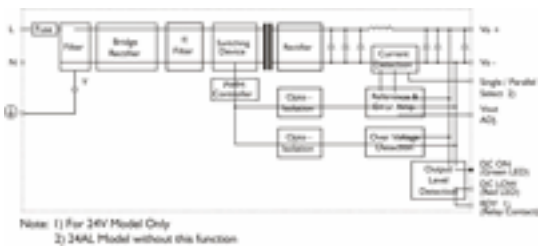
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emmissions
8	IN	N	Input terminals (neutral conductor,no polarity at DC input)
9	IN	L	Input terminals (phase conductor,no polarity at DC input)

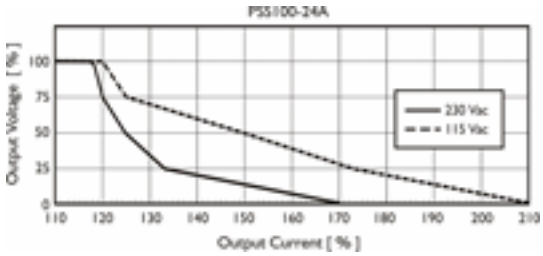
DIMENTISONAL DIAGRAM



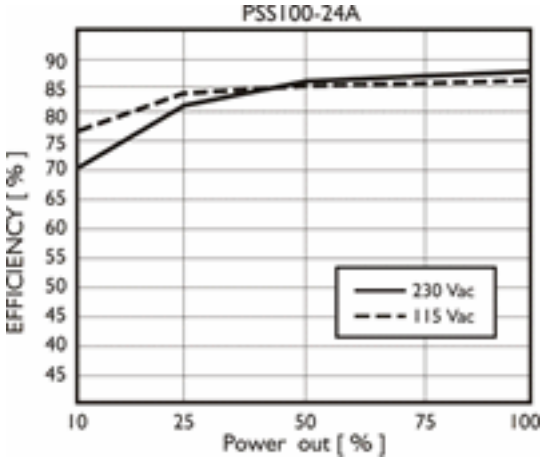
CIRCUIT SCHEMATIC



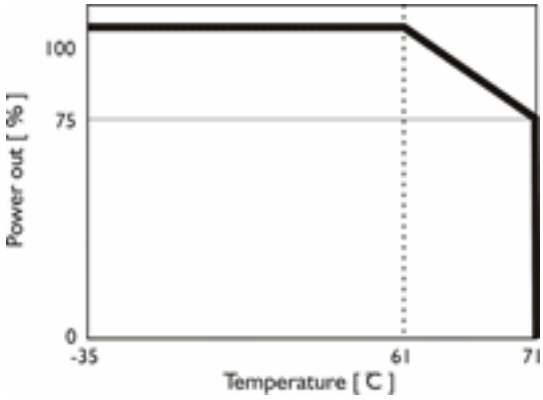
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches

CONNECTION DETAILS

Screw terminal:AWG24-10 (0.2~4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.

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connectwell
THE RIGHT CONNECTION

PSS120/48/2.5

2.5A,120W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 115 /230 VAC Auto select
-Typical efficiency of 87%
-Compact design with a width of only 64mm
-Parallel function available (Switch)
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Screw terminal type L124.5 X W64 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	482000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	2.5 A
Output Wattage	120 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	85%
Efficiency (typ.)	87%
Standard Packing Qnty	1
Cat. No.	PSS120/48/2.5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 64 X 123.6 mm
Packing	1.02kg ; 20 pcs / 21.5 kg / 2.01 CUFT
Weight	920 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I,Division 2,Groups A,B,C,and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	24 A
Max. Inrush Current (Vi: 230 VAC)	48 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	19 W
Rated Input Current -Max. (Vi : 115 VAC)	2.8 A
Rated Input Current -Max. (Vi : 230 VAC)	1.4 A
Rated Input Current -Typ. (Vi : 115 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Voltage	115 /230 VAC (auto select)

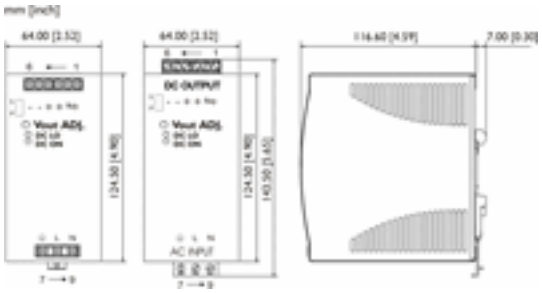
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC
DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	87%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	2.5 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	45 to 55 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	2.5A @48Vdc / 2.1A @55Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

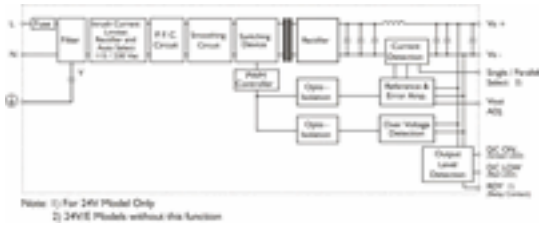
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emmissions
8	IN	L	Input terminals (phase conductor,no polarity at DC input)
9	IN	N	Input terminals (neutral conductor,no polarity at DC input)

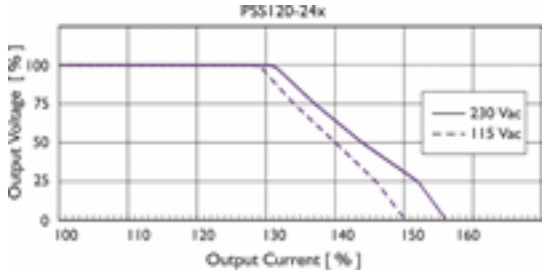
DIMENTISONAL DIAGRAM



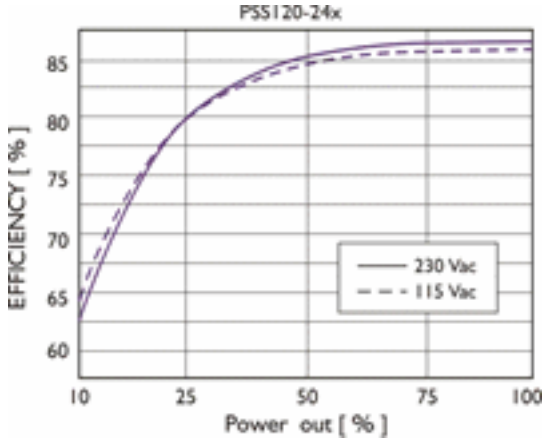
CIRCUIT SCHEMATIC



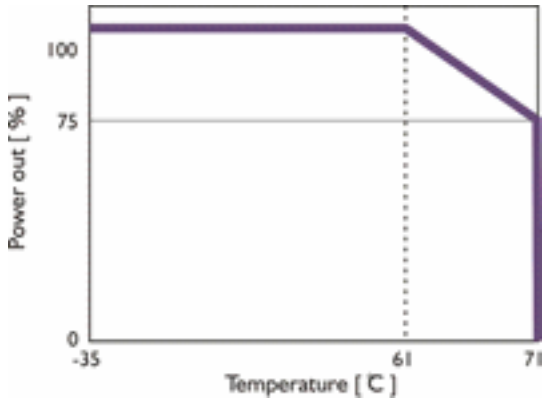
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened. Connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches. 8m/m stripping at cable end recommends.Use copper conductors only,60/75°C

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2~4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

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connectwell
THE RIGHT CONNECTION

PSS240/48/5

5A,240W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 to 264 VAC Auto select
-Typical efficiency of 90%
-Compact design with a width of only 83.5mm
-Parallel function available (Switch)
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% / °C
Dimension	Screw terminal type L124.5 X W83.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	437000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	5 A
Output Wattage	240 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	88%
Efficiency (typ.)	90%
Standard Packing Qnty	1
Cat. No.	PSS240/48/5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 83.5 X 123.6 mm
Packing	1.5kg ; 16 pcs / 25 kg / 2.01 CUFT
Weight	1380g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH2I	Insulated Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I,Division 2,Groups A,B,C,and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T6.3A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	120 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	32 W
Rated Input Current -Max. (Vi : 115 VAC)	5.4 A
Rated Input Current -Max. (Vi : 230 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.0 A
Rated Input Current -Typ. (Vi : 230 VAC)	1.55 A
Rated Input Voltage	115 /230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC

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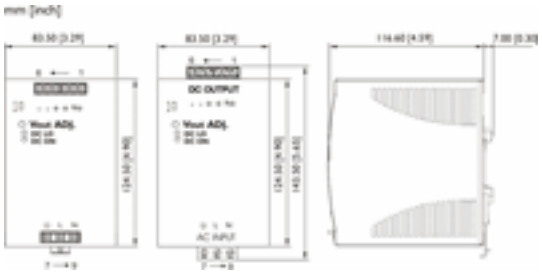
OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	5 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	47 to 56 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	5A @48Vdc / 4.2A @56Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

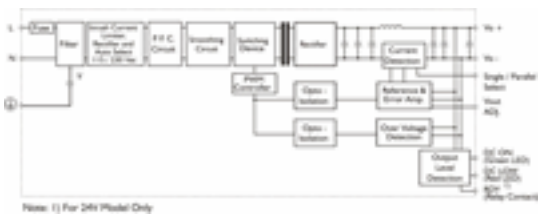
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emmissions
8	IN	L	Input terminals(phase conductor, no polarity at DC input))
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

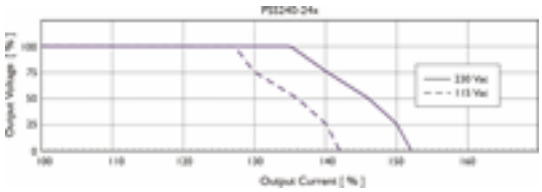
DIMENTISONAL DIAGRAM



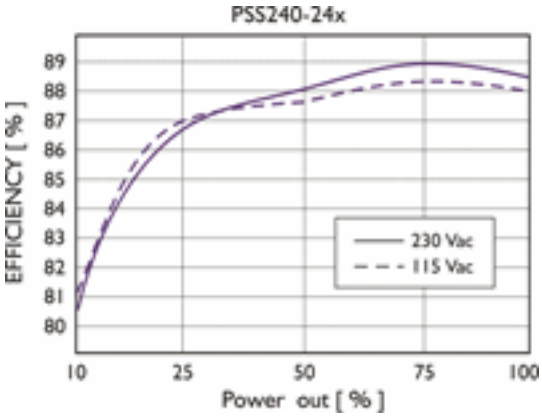
CIRCUIT SCHEMATIC



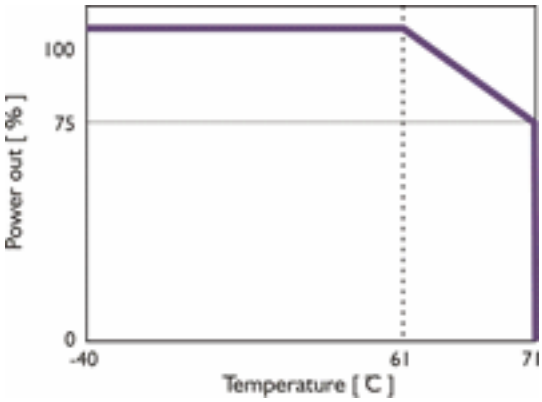
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

CONNECTION DETAILS

Screw terminal: 2 AWG24-10 (0.2~4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

connectwell
THE RIGHT CONNECTION

PSS300/48/6.25

6.25A,300W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 -264 VAC Auto select
-Typical efficiency of 90%
-Compact design with a width of only 83.5mm
-Parallel function available (Switch)
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-30 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	Screw terminal type L124.5 X W83.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	431000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	6.25 A
Output Wattage	300 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	88%
Efficiency (typ.)	90%
Standard Packing Qnty	1
Cat. No.	PSS300/48/6.25

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 175.5 X 123.6 mm
Packing	1.53kg ; 16 pcs / 25.5 kg / 2.01 CUFT
Weight	1400 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I,Division 2,Groups A,B,C,and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T8A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	120 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	35 A
Max. Inrush Current (Vi: 230 VAC)	65 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	40 W
Rated Input Current -Max. (Vi : 115 VAC)	6.0 A
Rated Input Current -Max. (Vi : 230 VAC)	3.0 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.8 A
Rated Input Current -Typ. (Vi : 230 VAC)	1.9 A
Rated Input Voltage	115 /230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC

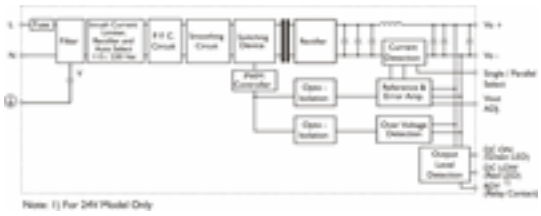
OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	6.25 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	47 to 56 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	6.25A @48Vdc / 5.35A @56Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

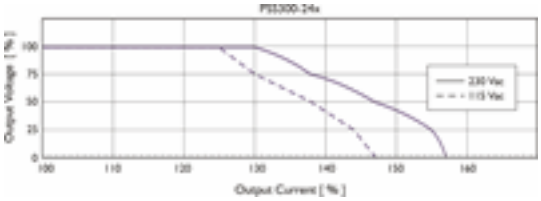
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emmissions
8	IN	L	Input terminals (phase conductor,no polarity at DC input)
9	IN	N	Input terminals (neutral conductor,no polarity at DC input)

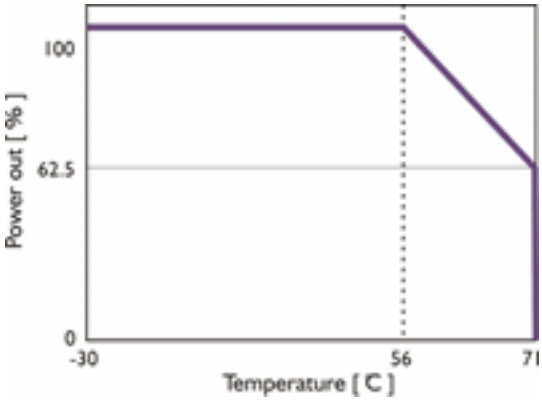
CIRCUIT SCHEMATIC



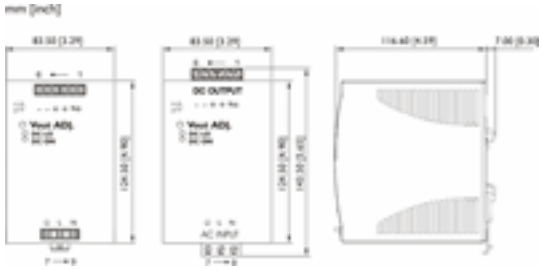
CURRENT LIMITED CURVE



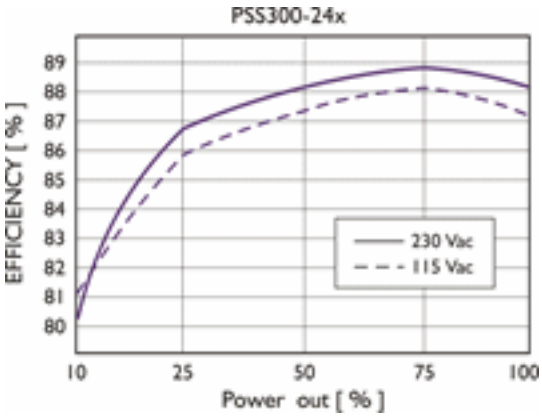
DERATING CURVE



DIMENTISONAL DIAGRAM



EFFICIENCY CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2~4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

connectwell
THE RIGHT CONNECTION

PSS480/48/10

10A,480W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 to 264 VAC Auto select
-Typical efficiency of 90%
-Compact design with a width of only 175.50mm
-Parallel function available (Switch)
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +56°C to +71°C (see derating curve)	2.5% / °C
Dimension	Screw terminal type L124.5 X W175.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	416000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	10 A
Output Wattage	480 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	87%
Efficiency (typ.)	90%
Standard Packing Qnty	1
Cat. No.	PSS480/48/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 175.5 X 123.6 mm
Packing	2.3kg ; 8 pcs / 20kg / 2.35 CUFT
Weight	1920 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01 (Class I,Division 2,Groups A,B,C,and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T10A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	180 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	25 A
Max. Inrush Current (Vi: 230 VAC)	50 A
P.F.C. (Passive)	0.99/0.97 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	60 W
Rated Input Current -Max. (Vi : 115 VAC)	7 A
Rated Input Current -Max. (Vi : 230 VAC)	3.5 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.9 A
Rated Input Current -Typ. (Vi : 230 VAC)	2.5 A
Rated Input Voltage	115 /230 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC
DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %

Connectwell Industries Pvt. Ltd. D7, Phase 2, MIDC, Dombivli (E), Maharashtra, India - 421204. Tel : +91 251 3980 600 / +91 251 3980 800 Fax : +91 251 3980 700 Email : connect@connectwell.com Website : www.connectwell.com b

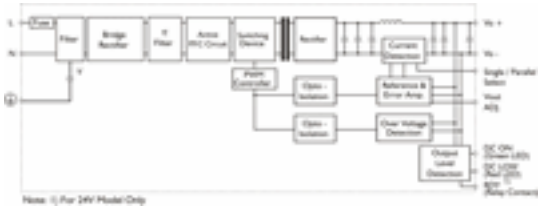
OUTPUT SPECIFICATIONS....

Output Current	10 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	47 to 56 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	10A @48Vdc / 8.5A @56Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

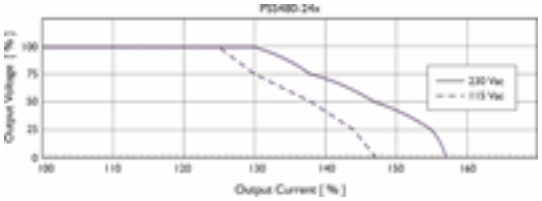
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1,2	OUT	V-	Negative output terminal
3,4	OUT	V+	Positive output terminal
5	OUT	RDY	A normal open relaycontact for DC ON level control
6	OUT		(never connect except 24V model)
7	IN	L	Input terminals (phase conductor,no polarity at DC input)
8	IN	N	Input terminals (neutral conductor,no polarity at DC input)
9	IN	Ground	Ground this terminal to minimize high frequency emmissions

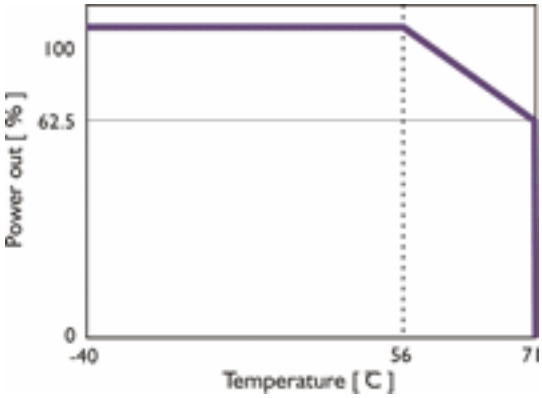
CIRCUIT SCHEMATIC



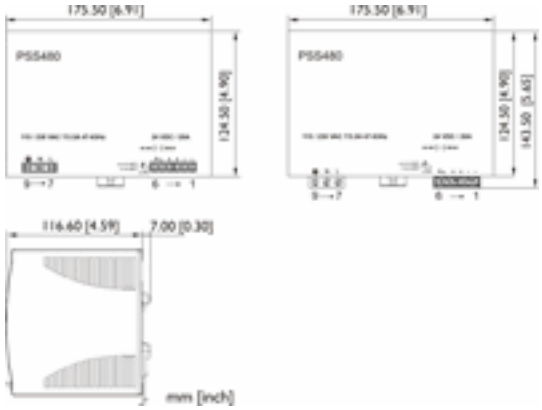
CURRENT LIMITED CURVE



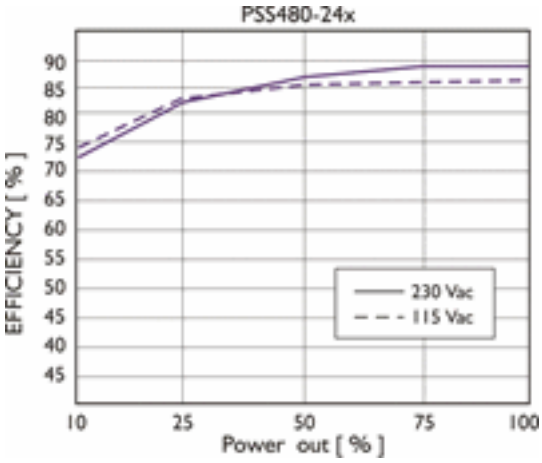
DERATING CURVE



DIMENTISONAL DIAGRAM



EFFICIENCY CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2~4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends\

connectwell
THE RIGHT CONNECTION

PSS5/15/0.34

0.34A,5W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 to 265VAC
-Typical efficiency of 72%
-Compact design with a width of only 22.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	808000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	340 mA
Output Wattage	5 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	70%
Efficiency (typ.)	72%
Standard Packing Qnty	1
Cat. No.	PSS5/15/0.34

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS

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ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	2.1 W

INPUT SPECIFICATIONS....

Rated Input Current -Max. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 115 VAC)	115 mA
Rated Input Current -Typ. (Vi : 230 VAC)	80 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

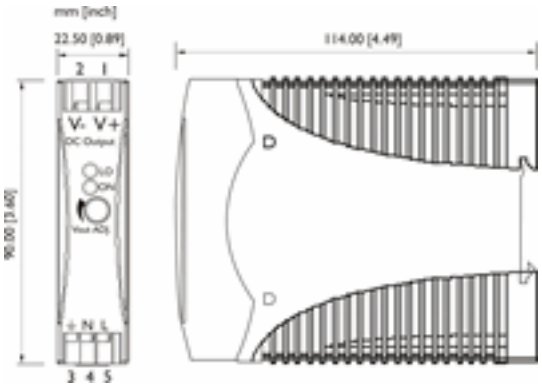
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	11.0 to 13.5 VDC
DC ON Indicator Threshold at start up (Green LED)	11.0 to 13.5 VDC
Efficiency	72%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	30 msec
Hold Up Time (Vi: 230VAC)	130 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	340 mA
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	22 VDC
Rated Continuous Loading	0.34A @15Vdc / 0.28A @17.25Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

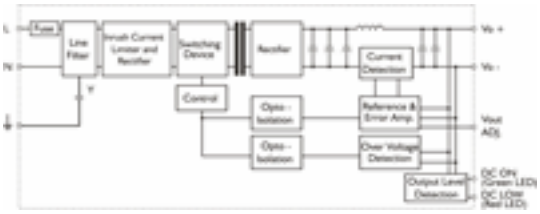
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emmissions
4	IN	N	Input terminals (neutral conductor,no polarity at DC input)
5	IN	L	Input terminals (phase conductor,no polarity at DC input)

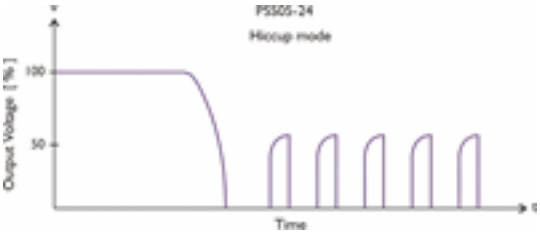
DIMENTISONAL DIAGRAM



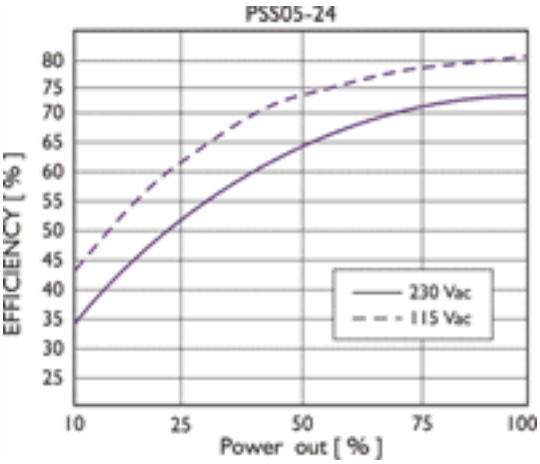
CIRCUIT SCHEMATIC



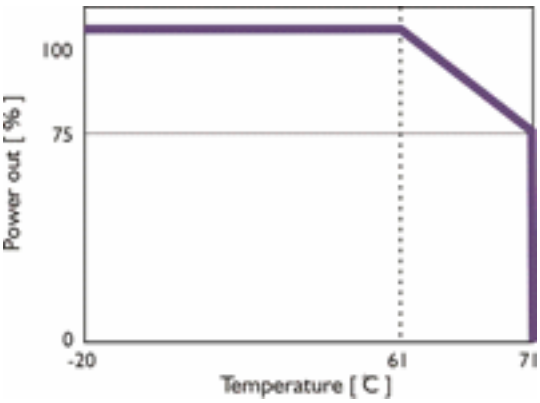
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2~2mm) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

connectwell
THE RIGHT CONNECTION

PSS10/15/0.67

0.67A,10W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 to 264VAC
-Typical efficiency of 76%
-Compact design with a width of only 22.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	805000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	670 mA
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	74%
Efficiency (typ.)	76%
Standard Packing Qnty	1
Cat. No.	PSS10/15/0.67

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120g

APPROVALS

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ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A

INPUT SPECIFICATIONS....

Power Dissipation (Vi: 230 VAC, Io norm)	3.3 W
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 230 VAC)	130 mA
Rated Input Current -Typ. (Vi : 90 VAC)	300 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

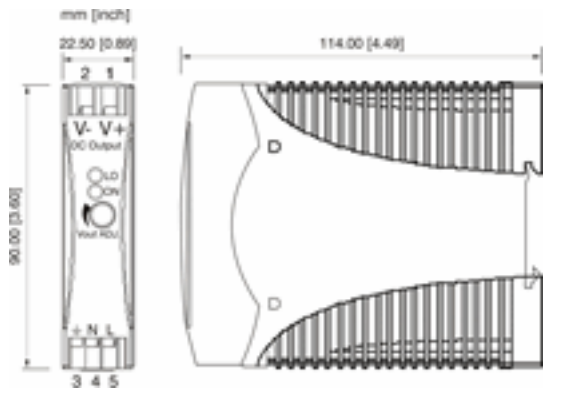
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	11.0 to 13.5 VDC
DC ON Indicator Threshold at start up (Green LED)	11.0 to 13.5 VDC
Efficiency	76%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	670 mA
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	22 VDC
Rated Continuous Loading	0.67A @15Vdc / 0.58A @17.25Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

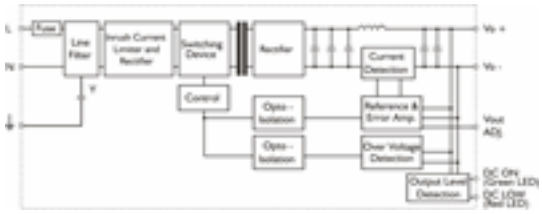
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emmissions
4	IN	N	Input terminals (neutral conductor,no polarity at DC input)
5	IN	L	Input terminals (phase conductor,no polarity at DC input)

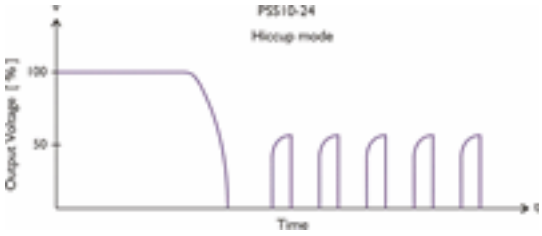
DIMENTISONAL DIAGRAM



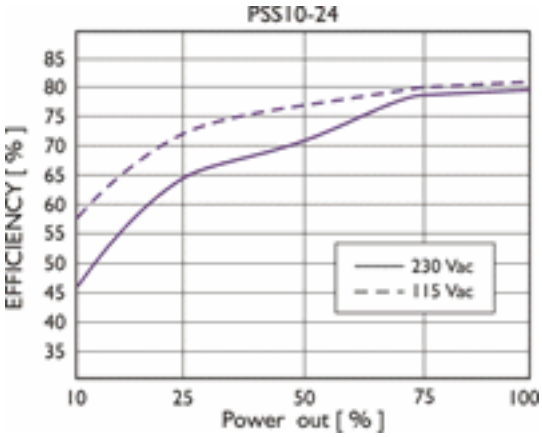
CIRCUIT SCHEMATIC



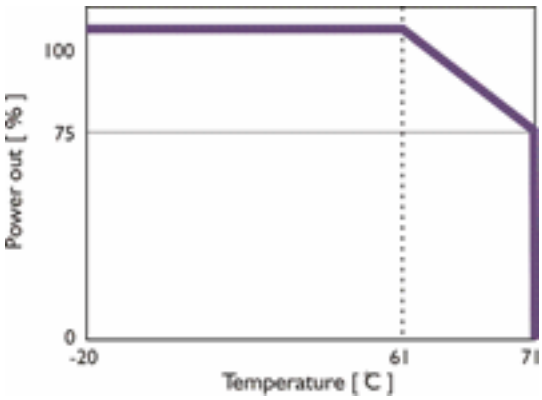
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2~2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

connectwell
THE RIGHT CONNECTION

PSS18/15/1.2

1.2A,18W Single Phase Din Rail Mountable Switching Power Supplies

-Full Range Input selection from 90 to 264VAC
-Typical efficiency of 77%
-Compact design with a width of only 22.5mm
-Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	796000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	1200 A
Output Wattage	18 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	75%
Efficiency (typ.)	77%
Standard Packing Qnty	1
Cat. No.	PSS18/15/1.2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.23 kg ; 56 pcs / 14 kg / 2.16 CUFT
Weight	150 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 A
Leakage Current (Input-Output)	0.25 A
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	4.25 W

INPUT SPECIFICATIONS....

Rated Input Current -Typ. (Vi : 115 VAC)	335 A
Rated Input Current -Typ. (Vi : 230 VAC)	210 A
Rated Input Current -Typ. (Vi : 90 VAC)	500 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

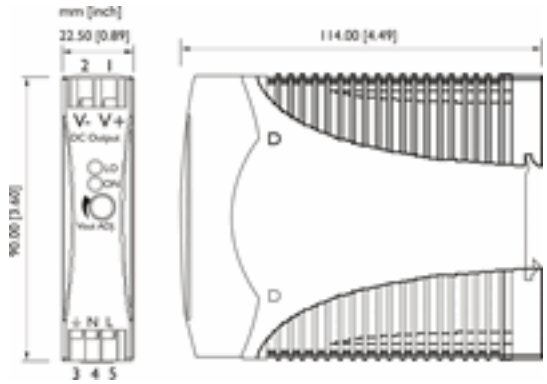
OUTPUT SPECIFICATIONS

Capacitor Load	7000 F
DC LOW Indicator Threshold after start up (Red LED)	11.0 to 13.5VDC
DC ON Indicator Threshold at start up (Green LED)	11.0 to 13.5VDC
Efficiency	77%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	75 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	1200 A
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	22 VDC
Rated Continuous Loading	1.2A @15Vdc / 1.0A @17.25Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

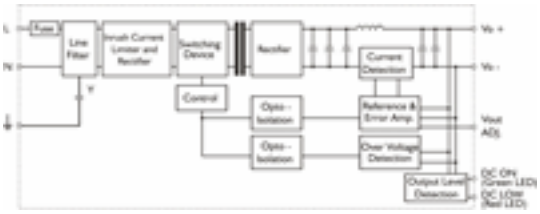
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emmissions
4	IN	N	Input terminals (neutral conductor,no polarity at DC input)
5	IN	L	Input terminals (phase conductor,no polarity at DC input)

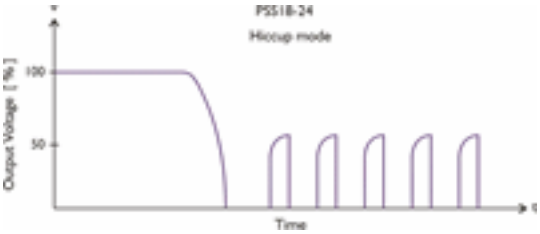
DIMENTISONAL DIAGRAM



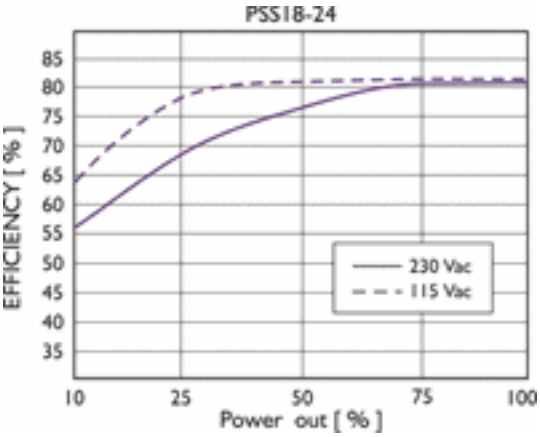
CIRCUIT SCHEMATIC



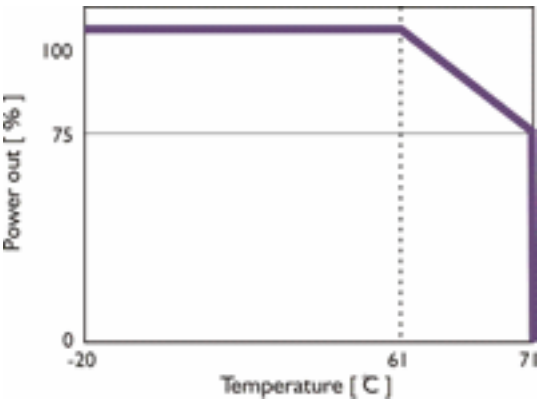
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2~2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

connectwell
THE RIGHT CONNECTION

PSD100/12/8.4

8.4A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 87%
- Compact design with a width of only 54 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L90xW54xD114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	622000 hr
Pollution Degree	2
Relative Humidity Range	min/max 20/95 % RH
Switching Frequency (typ.)	85 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	8.4 A
Output Wattage	100.8 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	84%
Efficiency (typ.)	86%
Standard Packing Qnty	1
Cat. No.	PSD100/12/8.4

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 x 54 x 114 mm (3.6 x 2.13 x 4.49 inches)
Packing	0.57 kg ; 32 pcs / 19.5 kg / 1.85 CUFT
Weight	500 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme. EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1 Recognized
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2A / 600 VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	min/max 14.5 / 17.4 VDC
Rated over load protection	min/max 115 / 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	2PH /1PH
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1PH / 2PH 380 / 480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	15 W
Rated Input Current -Max. (Vi : 400 VAC)	0.75 A
Rated Input Current -Max. (Vi : 400 VAC)	0.48 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.41 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	min / max 10/11.2 VDC
DC ON Indicator Threshold at start up (Green LED)	min / max 10/11.2 VDC

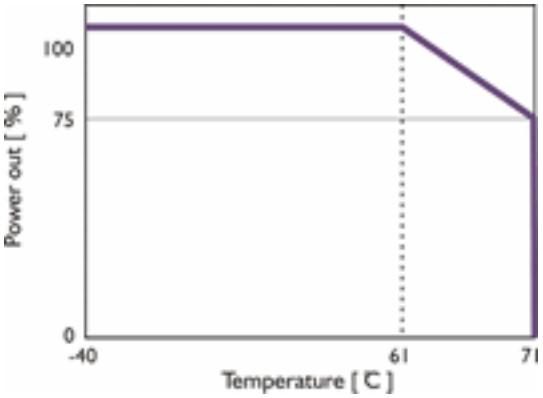
OUTPUT SPECIFICATIONS....

Efficiency	89 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	8.4 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	11.4 - 14.5 VDC
Parallel Operation	2 Units
Power Back Immunity	18 VDC
Rated Continuous Loading	8.4 A @ 12Vdc / 6.9 A @ 14.5 Vdc
	50 mV
Rise Time With 7000 µF	150 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

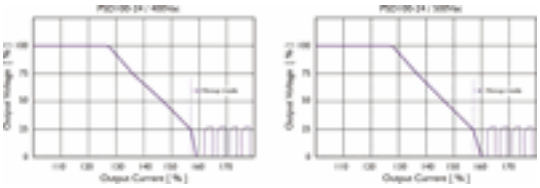
PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
2	OUT		(Never connect except 24V model)
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	V -	Negative output terminal
6	OUT	V -	Negative output terminal
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	N (L2)	Input terminals (phase conductor, no polarity at DC input)
9	IN	L1	Input terminals (neutral conductor, no polarity at DC input)

DIMENTISONAL DIAGRAM

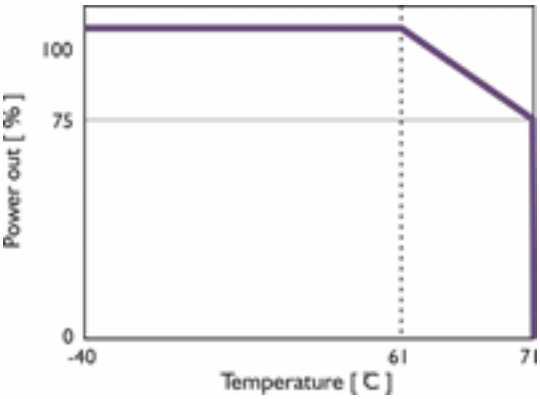


CIRCUIT SCHEMATIC

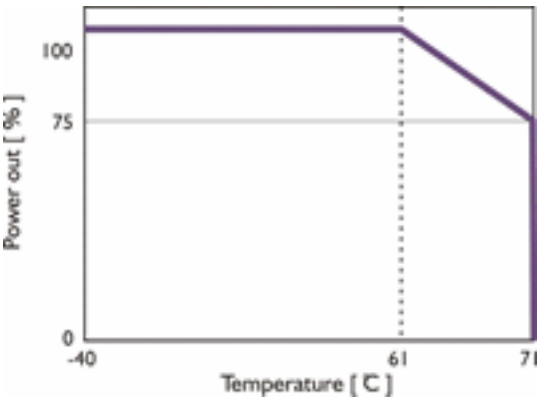
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-14 (0.2~4mm2) flexible / solid cable,- Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75Degree C

connectwell
THE RIGHT CONNECTION

PSD100/24/4.2

4.2A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 87%
- Compact design with a width of only 54 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L90xW54xD114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	661000 hr
Pollution Degree	2
Relative Humidity Range	min/max 20/95 % RH
Switching Frequency (typ.)	85 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	4200 mA
Output Wattage	100.8 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	85%
Efficiency (typ.)	87%
Standard Packing Qnty	1
Cat. No.	PSD100/24/4.2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 x 54 x 114 mm (3.6 x 2.13 x 4.49 inches)
Packing	0.57 kg ; 32 pcs / 19.5 kg / 1.85 CUFT
Weight	500 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme. EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1 Recognized
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2A / 600 VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	min/max 30 / 33 VDC
Power Ready	min / max 17.6 / 19.4 VDC
Rated over load protection	min/max 115/135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	2PH /1PH
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1PH / 2PH 380 / 480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	13.5 W
Rated Input Current -Max. (Vi : 400 VAC)	0.75 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.41 A
Rated Input Current -Typ. (Vi : 575 VAC)	0.48 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	min / max 17.6/19.4 VDC

Connectwell Industries Pvt. Ltd. D7, Phase 2, MIDC, Dombivli (E), Maharashtra, India - 421204. Tel : +91 251 3980 600 / +91 251 3980 800 Fax : +91 251 3980 700 Email : connect@connectwell.com Website : www.connectwell.com b

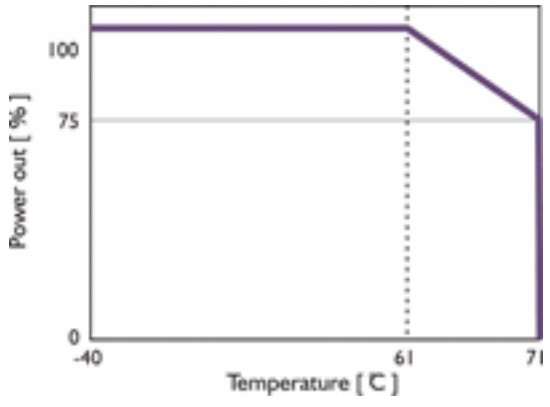
OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	min / max 17.6/19.4 VDC
Efficiency	89 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	4.2 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	4.2 A @ 24Vdc / 3.5 A @ 28.5 Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

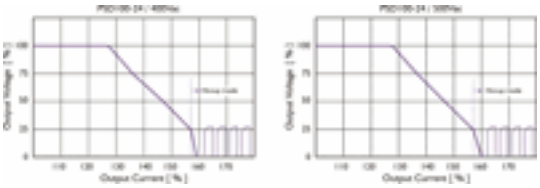
PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
2	OUT		(Never connect except 24V model)
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	V -	Negative output terminal
6	IN	V -	Negative output terminal
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	N (L2)	Input terminals (phase conductor, no polarity at DC input)
9	IN	L1	Input terminals (neutral conductor, no polarity at DC input)

DIMENTISONAL DIAGRAM

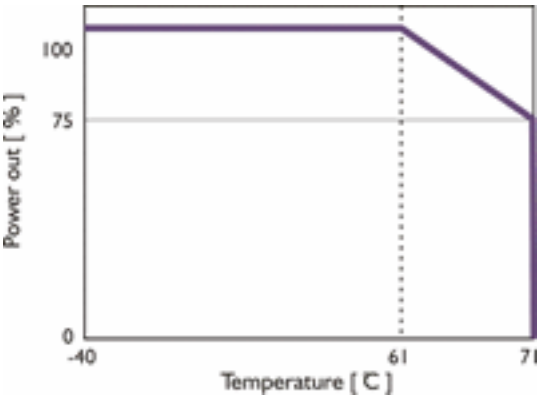


CIRCUIT SCHEMATIC

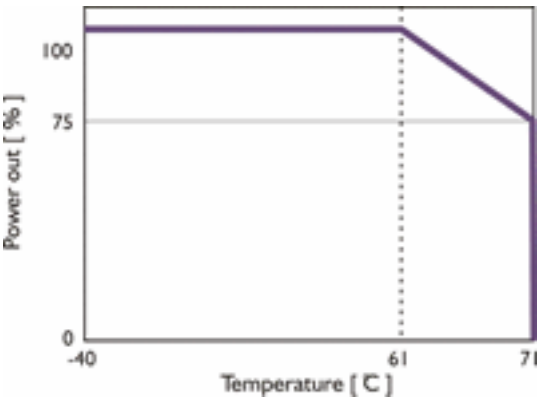
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-14 (0.2~4mm2) flexible / solid cable,- Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75Degree C

connectwell
THE RIGHT CONNECTION

PSD100/48/2.1

2.1A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 87%
- Compact design with a width of only 54 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L90xW54xD114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	672000 hr
Pollution Degree	2
Relative Humidity Range	min/max 20/95 % RH
Switching Frequency (typ.)	85 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	2.1 A
Output Wattage	100.8 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	87%
Efficiency (typ.)	89 %
Standard Packing Qnty	1
Cat. No.	PSD100/48/2.1

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 x 54 x 114 mm (3.6 x 2.13 x 4.49 inches)
Packing	0.57 kg ; 32 pcs / 19.5 kg / 1.85 CUFT
Weight	500 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme. EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1 Recognized
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2A / 600 VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	min/max 60 / 66 VDC
Rated over load protection	min/max 115/135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	2PH /1PH
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1PH / 2PH 380 / 480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	10.5 W
Rated Input Current -Max. (Vi : 400 VAC)	0.75 A
Rated Input Current -Max. (Vi : 400 VAC)	0.48 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.41 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	min / max 37/43 VDC
DC ON Indicator Threshold at start up (Green LED)	min / max 37/43VDC

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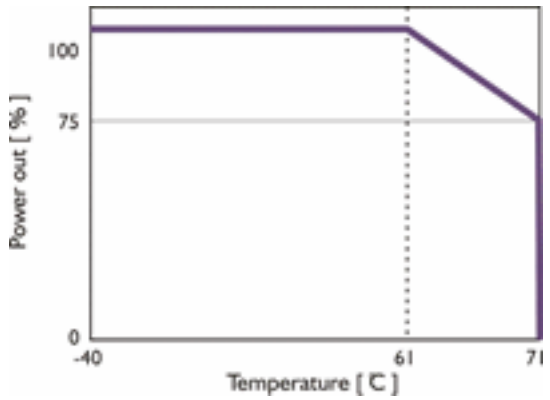
OUTPUT SPECIFICATIONS....

Efficiency	89 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	2.1 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	47 - 56 VDC
Parallel Operation	2 Units
Power Back Immunity	63 VDC
Rated Continuous Loading	2.1 A @ 48Vdc / 1.8 A @ 56 Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

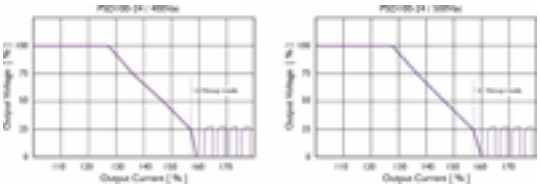
PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
2	OUT		(Never connect except 24V model)
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	V -	Negative output terminal
6	OUT	V -	Negative output terminal
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	N (L2)	Input terminals (phase conductor, no polarity at DC input)
9	IN	L1	Input terminals (neutral conductor, no polarity at DC input)

DIMENTISONAL DIAGRAM

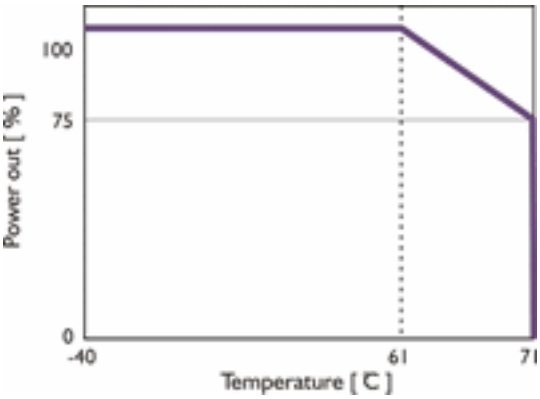


CIRCUIT SCHEMATIC

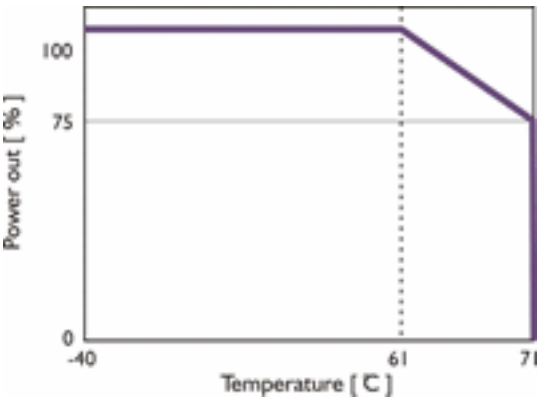
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-14 (0.2~4mm2) flexible / solid cable,- Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75Degree C

connectwell
THE RIGHT CONNECTION

PST120/12/10

10A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 89%
- Compact design with a width of only 74.3 mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W74.3 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	527000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	70 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	10 A
Output Wattage	120 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	85%
Efficiency (typ.)	87%
Standard Packing Qnty	1
Cat. No.	PST120/12/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 74.3 x 118.8 mm
Packing	800 g
Weight	0.92 kg ; 20 pcs / 19.5 kg / 2.02 CUFT

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB schemeEN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2 A / 600 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	14.5 - 17.4 VDC
Rated over load protection	115 - 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1Ø or 3Ø 380~480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	20 W
Rated Input Current -Max. (Vi : 400 VAC)	0.5 A
Rated Input Current -Max. (Vi : 400 VAC)	0.36 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.3 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	10-11.2 VDC

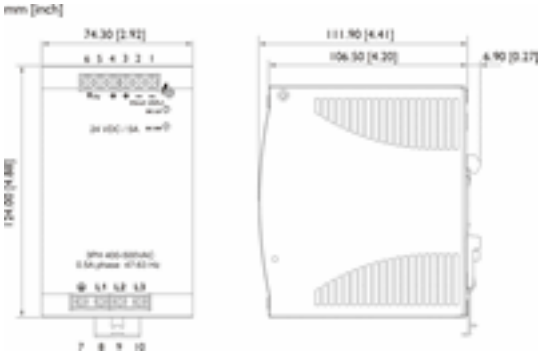
OUTPUT SPECIFICATIONS....

DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	10-11.2 VDC
Efficiency	89 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	10 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	11.4 - 14.5 VDC
Power Back Immunity	18 VDC
Rated Continuous Loading	10 A @ 12Vdc / 8.2 A @ 14.5 Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

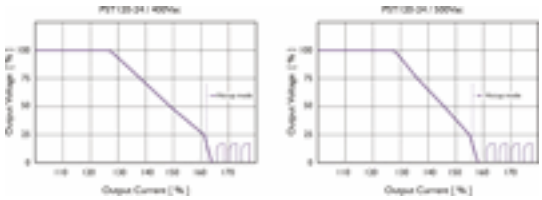
PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	Trimmer-potentiometer for Vout adjustment
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L3	Input terminals
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
6	OUT	RDY	(Never connect except 24V model)
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	L1	Input terminals
9	IN	L2	Input terminals

DIMENTISONAL DIAGRAM

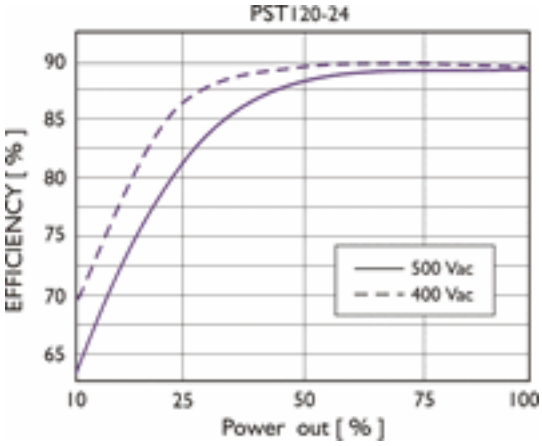


CIRCUIT SCHEMATIC

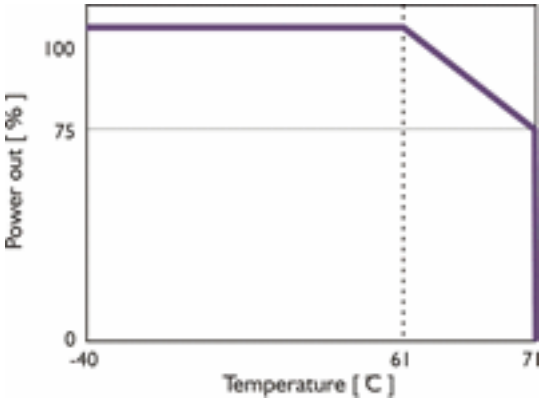
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-10 (0.2~4mm2) flexible / solid cable,- Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

connectwell
THE RIGHT CONNECTION

PST120/24/5

5A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 89%
- Compact design with a width of only 74.3 mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W74.3 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	559000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	70 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	5 A
Output Wattage	120 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	87%
Efficiency (typ.)	89 %
Standard Packing Qnty	1
Cat. No.	PST120/24/5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 74.3 x 118.8 mm
Packing	800 g
Weight	0.92 kg ; 20 pcs / 19.5 kg / 2.02 CUFT

APPROVALS

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ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB schemeEN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2 A / 600 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	115 - 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1Ø or 3Ø 380~480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	16 W
Rated Input Current -Max. (Vi : 400 VAC)	0.5 A
Rated Input Current -Max. (Vi : 400 VAC)	0.36 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.3 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	

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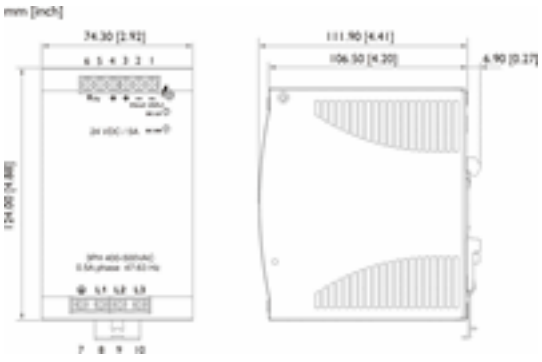
OUTPUT SPECIFICATIONS....

	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	89 %
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	5 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	5 A @ 24Vdc / 4.2 A @ 28.5 Vdc
	100 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

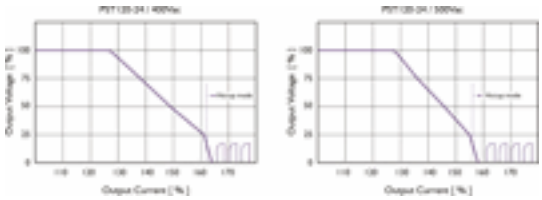
PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	Trimmer-potentiometer for Vout adjustment
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L3	Input terminals
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
6	OUT	RDY	(Never connect except 24V model)
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	L1	Input terminals
9	IN	L2	Input terminals

DIMENTISONAL DIAGRAM

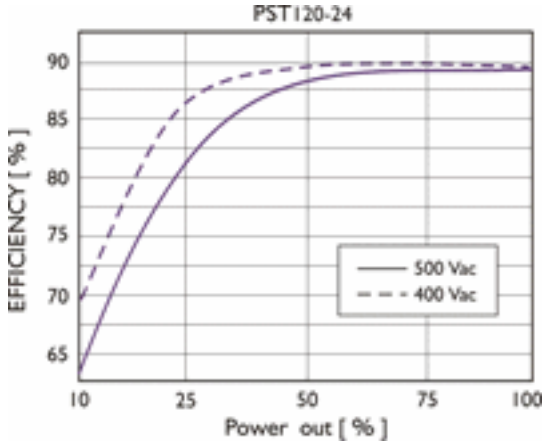


CIRCUIT SCHEMATIC

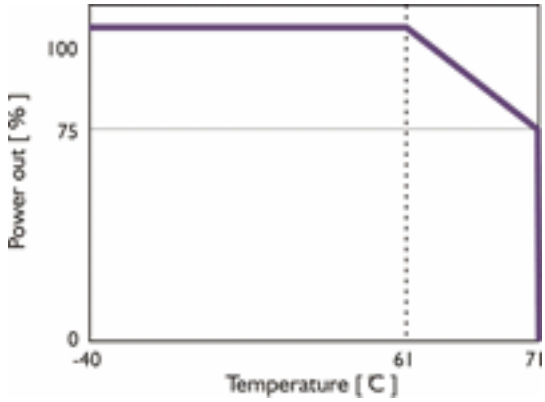
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-10 (0.2~4mm2) flexible / solid cable,- Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

connectwell
THE RIGHT CONNECTION

PST240/24/10

10A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 90%
- Compact design with a width of only 89 mm
-Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W89 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	488000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	25 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	10 A
Output Wattage	240 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	88%
Efficiency (typ.)	90%
Standard Packing Qnty	1
Cat. No.	PST240/24/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 89 x 118.8 mm
Packing	1.18 kg ; 16 pcs / 20 kg / 2.01 CUFT
Weight	1100 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB schemeEN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2 A / 600 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	120 -140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	20 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	25 A
Nominal Input Voltage	1Ø or 3Ø 380~480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	30 W
Rated Input Current -Max. (Vi : 400 VAC)	0.85 A
Rated Input Current -Max. (Vi : 400 VAC)	0.65 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.55 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF

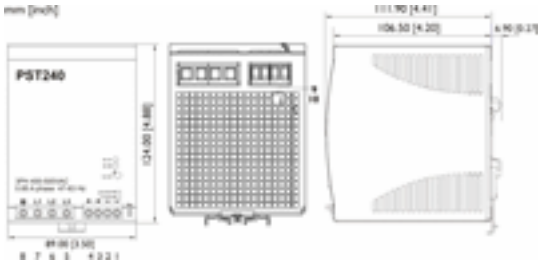
OUTPUT SPECIFICATIONS....

DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	90 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	10 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	10 A @ 24Vdc / 8.4 A @ 28.5 Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

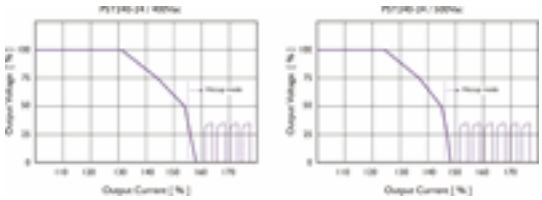
PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	Trimmer-potentiometer for Vout adjustment
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	OUT		(Never connect except 24V model)
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	IN	L3	Input terminals
6	IN	L2	Input terminals
7	IN	L1	Input terminals
8	IN	Earth	Ground this terminal to minimize high-frequency emissions
9	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)

DIMENTISONAL DIAGRAM

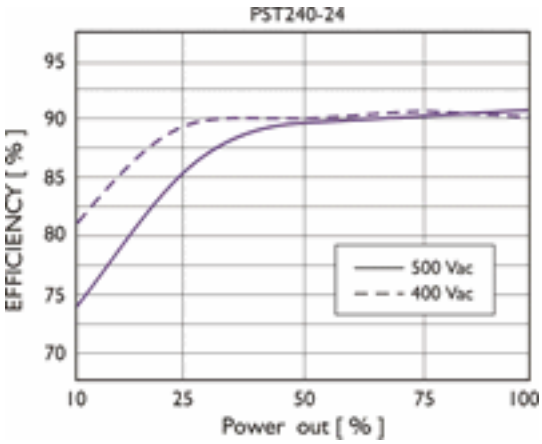


CIRCUIT SCHEMATIC

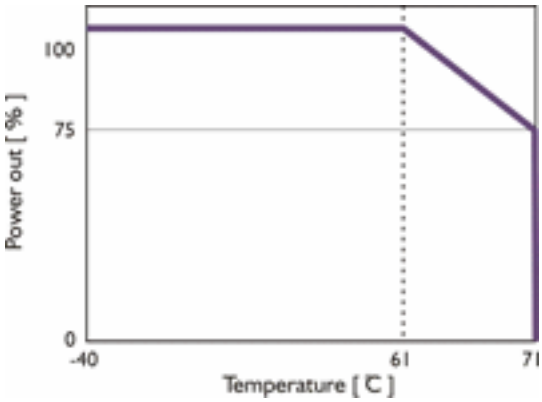
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-10 (0.2~4mm2) flexible / solid cable,- Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

Connectwell Industries Pvt. Ltd. D7, Phase 2, MIDC, Dombivli (E), Maharashtra, India - 421204. Tel : +91 251 3980 600 / +91 251 3980 800 Fax : +91 251 3980 700 Email : connect@connectwell.com Website : www.connectwell.com b

connectwell
THE RIGHT CONNECTION

PST480/24/20

20A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 90%
- Compact design with a width of only 150 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-30 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W150 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	411000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	80 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	20 A
Output Wattage	480 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	88%
Efficiency (typ.)	90%
Standard Packing Qnty	1
Cat. No.	PST480/24/20

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 150 x 118.8 mm
Packing	2kg ; 8 pcs / 17.5kg / 2.17CUFT
Weight	1720g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB schemeEN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Continuous:Fold forward/Discontinuous:Delay 3S shut-down. After 30S Auto-restart
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	110-135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	20 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	25 A
Nominal Input Voltage	1Ø or 3Ø 380~480 VAC
P.F.C. (Passive)	0.65
Power Dissipation (Vi: 400 VAC, Io norm)	58 W
Rated Input Current -Max. (Vi : 400 VAC)	1.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.1 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.93 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	91%
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %

OUTPUT SPECIFICATIONS....

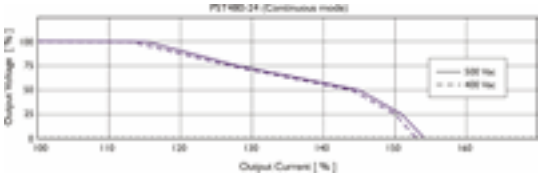
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	20 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	20 A @ 24Vdc / 16.8 A @ 28.5Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

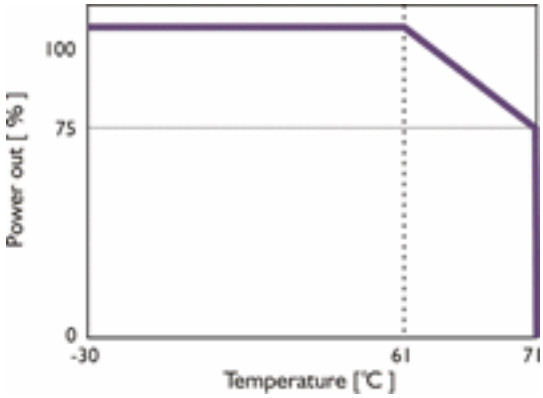
PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	C / D	Continuous / Discontinuous
	OTHER	DC LO	Trimmer-potentiometer for Vout adjustment
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	OUT		(Never connect except 24V model)
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	IN	L3	Input terminals
6	IN	L2	Input terminals
7	IN	L1	Input terminals
8	IN	Earth	Ground this terminal to minimize high-frequency emissions
9	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)

CIRCUIT SCHEMATIC

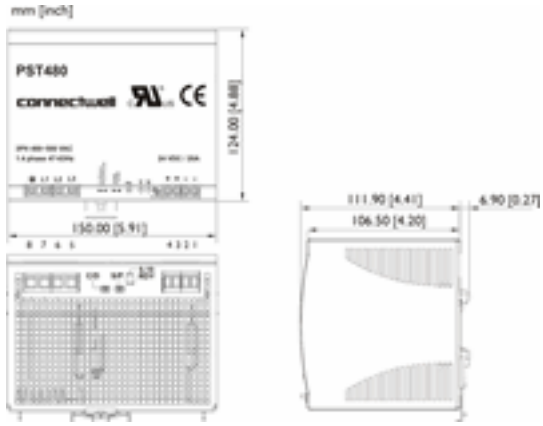
CURRENT LIMITED CURVE



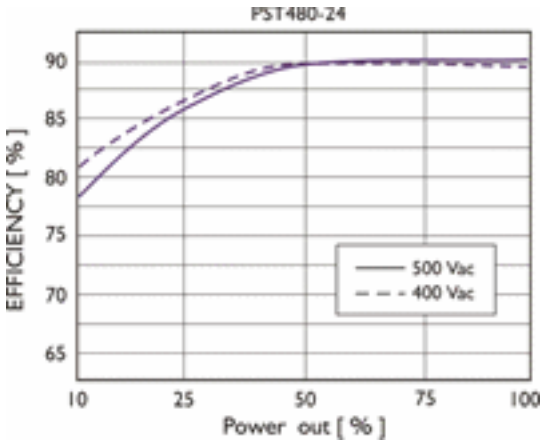
DERATING CURVE



DIMENTISONAL DIAGRAM



EFFICIENCY CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

Spring terminal: 2 AWG24-10 (0.2~4mm2) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

connectwell
THE RIGHT CONNECTION

PST960/24/40

40A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 93%
- Compact design with a width of only 275.8 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L126.2 XW275.8 X D118.8 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	352000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	52 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	40 A
Output Wattage	960 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	90 %
Efficiency (typ.)	92 %
Standard Packing Qnty	1
Cat. No.	PST960/24/40

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	126.2 x 275.8 x 118.8 mm
Packing	3.68 kg ; 6 pcs / 23 kg / 2.41 CUFT
Weight	3400 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB schemeEN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T5 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	120-140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	30 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	35 A
Nominal Input Voltage	1Ø or 3Ø 380~480 VAC
P.F.C. (Passive)	0.8
Power Dissipation	98 W
Rated Input Current -Max. (Vi : 400 VAC)	2.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.72 A
Rated Input Current -Typ. (Vi : 500 VAC)	1.5 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	93 %
Fall Time	150 msec
Hold Up Time	15 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %

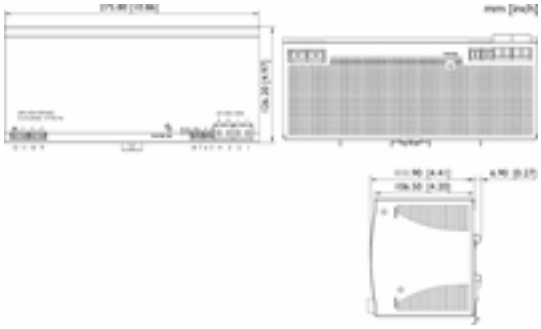
OUTPUT SPECIFICATIONS....

Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	40 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	40 A @ 24Vdc / 33.5 A @ 28.5Vdc
	80 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

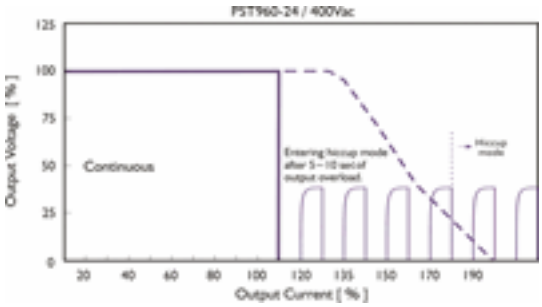
PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L2	Input terminals
11	IN	L1	Input terminals
12	IN	Earth	Ground this terminal to minimize high-frequency emissions
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	G	Parallel GND PIN for current share
6	OUT	p	Parallel PIN for current share
7	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
8	OUT	RDY	(Never connect except 24V model)
9	IN	L3	Input terminals

DIMENTISONAL DIAGRAM

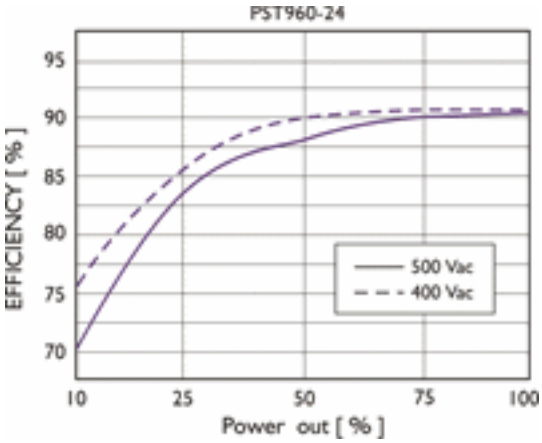


CIRCUIT SCHEMATIC

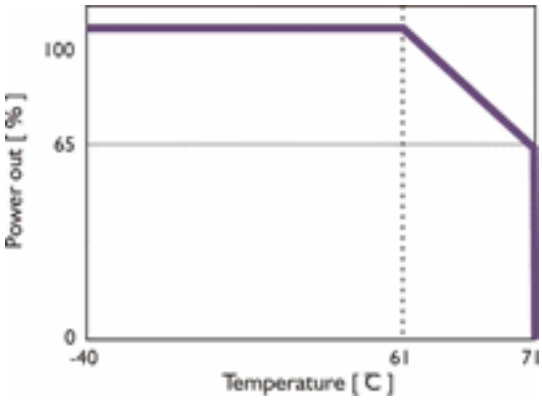
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Connector size range 2 (0.2~4mm2) flexible / solid cable, Output: AWG20-6 - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C Input and Rdy, P, G Control : AWG24 - 10 2 (0.5~10mm) flexible / solid cable - Output connector can withstand torque at maximum 15.6 pound-inches 10m/m stripping at cable end recommends

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

connectwell
THE RIGHT CONNECTION

PST960/24/40-E

40A ,3 Phase Din Rail Mountable Switching Power Supplies Economical

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 93%
- Compact design with a width of only 275.8 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L126.2 XW275.8 X D118.8 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	381000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	52 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	40 A
Output Wattage	960 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	90 %
Efficiency (typ.)	92 %
Standard Packing Qnty	1
Cat. No.	PST960/24/40-E

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	126.2 x 275.8 x 118.8 mm
Packing	3.68 kg ; 6 pcs / 23 kg / 2.41 CUFT
Weight	3400 g

APPROVALS

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ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB schemeEN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T5 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	120 -140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	30 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	35 A
Nominal Input Voltage	1Ø or 3Ø 380~480 VAC
P.F.C. (Passive)	0.8
Power Dissipation (Vi: 400 VAC, Io norm)	98 W
Rated Input Current -Max. (Vi : 400 VAC)	2.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.72 A
Rated Input Current -Typ. (Vi : 500 VAC)	1.5 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	93 %
Fall Time	150 msec
Hold Up Time	15 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %

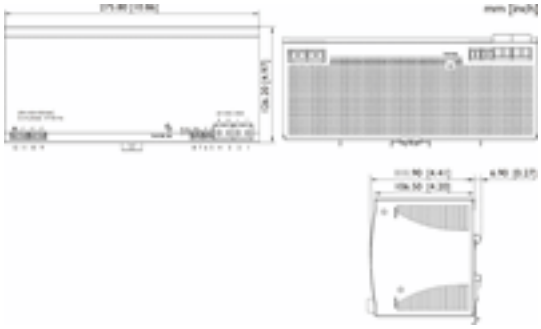
OUTPUT SPECIFICATIONS....

Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	40 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	40 A @ 24Vdc / 33.5 A @ 28.5Vdc
	80 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

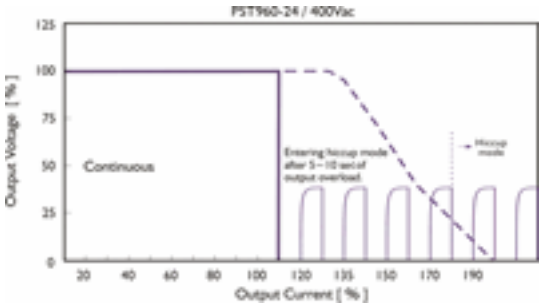
PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L2	Input terminals
11	IN	L1	Input terminals
12	IN	Earth	Ground this terminal to minimize high-frequency emissions
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	G	Parallel GND PIN for current share
6	OUT	p	Parallel PIN for current share
7	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
8	OUT	RDY	(Never connect except 24V model)
9	IN	L3	Input terminals

DIMENTISONAL DIAGRAM

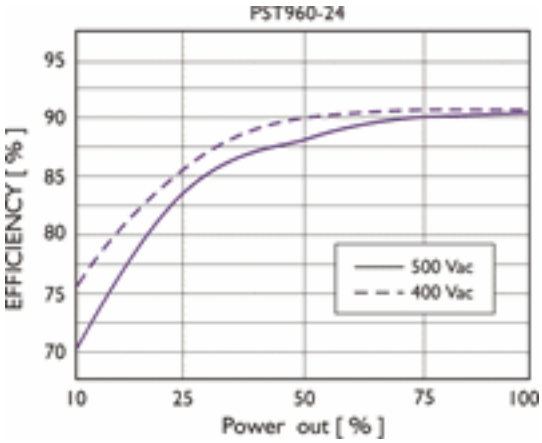


CIRCUIT SCHEMATIC

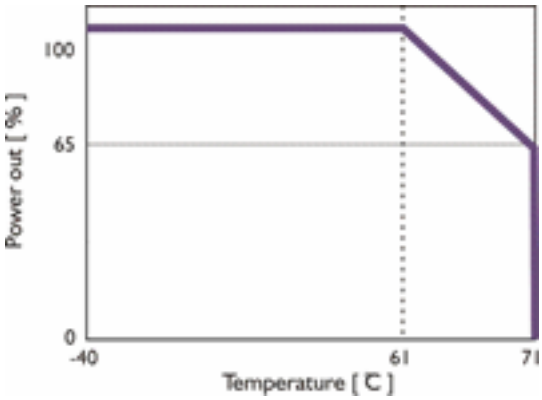
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Connector size range 2 (0.2~4mm2) flexible / solid cable, Output: AWG20-6 - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C Input and Rdy, P, G Control : AWG24 - 10 2 (0.5~10mm) flexible / solid cable - Output connector can withstand torque at maximum 15.6 pound-inches 10m/m stripping at cable end recommends

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

connectwell
THE RIGHT CONNECTION

PST240/48/5

5A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 91%
- Compact design with a width of only 89 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W89 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	519000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	25 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	5 A
Output Wattage	240 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	89%
Efficiency (typ.)	91 %
Standard Packing Qnty	1
Cat. No.	PST240/48/5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 89 x 118.8 mm
Packing	1.18 kg ; 16 pcs / 20 kg / 2.01 CUFT
Weight	1100 g

APPROVALS

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ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB schemeEN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2 A / 600 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	60 -68 VDC
Rated over load protection	120 -140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	20 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	25 A
Nominal Input Voltage	1Ø or 3Ø 380~480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	24 W
Rated Input Current -Max. (Vi : 400 VAC)	0.85 A
Rated Input Current -Max. (Vi : 400 VAC)	0.65 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.65 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up	37-43 VDC

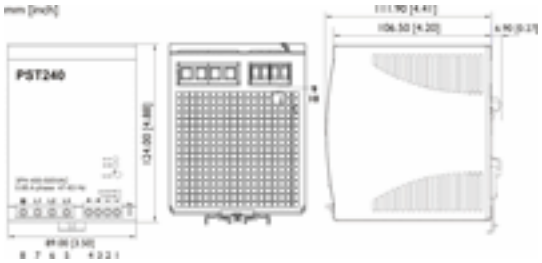
OUTPUT SPECIFICATIONS....

(Red LED)	
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	37-43VDC
Efficiency	91 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	5 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	47 - 56 VDC
Parallel Operation	2 Units
Power Back Immunity	63 VDC
Rated Continuous Loading	5 A @ 48Vdc / 4.2 A @ 56Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

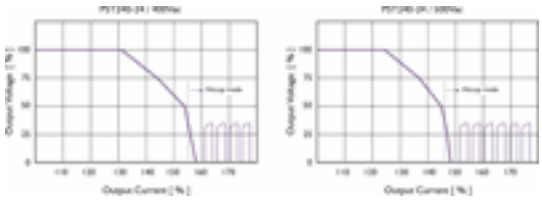
PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	OUT	RDY	(never connect except 24V model)
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	IN	L3	Input terminals
6	IN	L2	Input terminals
7	IN	L1	Input terminals
8	IN	GND	Ground this terminal to minimize high frequency emmissions
9	OUT	RDY	A normal open relaycontact for DC ON level control

DIMENTISONAL DIAGRAM

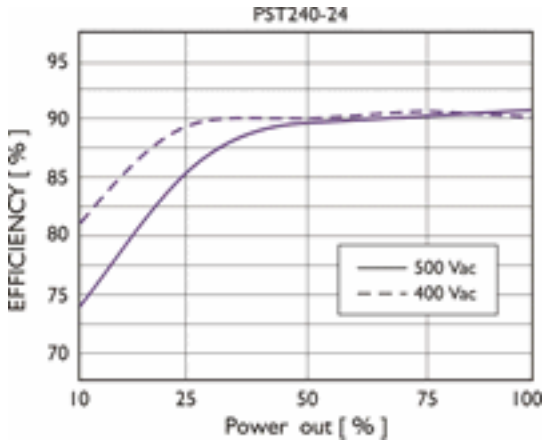


CIRCUIT SCHEMATIC

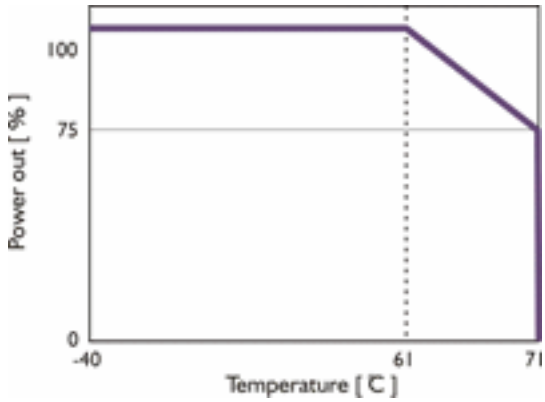
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-10 (0.2~4mm2) flexible / solid cable,- Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

connectwell
THE RIGHT CONNECTION

PST480/48/10

10A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 90%
- Compact design with a width of only 150 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-30 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W150 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	423000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	80 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	10 A
Output Wattage	480 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	89%
Efficiency (typ.)	91 %
Standard Packing Qnty	1
Cat. No.	PST480/48/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 150 x 118.8 mm
Packing	2kg ; 8 pcs / 17.5kg / 2.17CUFT
Weight	1720g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB schemeEN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Continuous:Fold forward/Discontinuous:Delay 3S shut-down. After 30S Auto-restart
Over voltage protection	60 - 68 VDC
Rated over load protection	110-135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	20 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	25 A
Nominal Input Voltage	1Ø or 3Ø 380~480 VAC
P.F.C. (Passive)	0.65
Power Dissipation (Vi: 400 VAC, Io norm)	55 W
Rated Input Current -Max. (Vi : 400 VAC)	1.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.1 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.93 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

DC LOW Indicator Threshold after start up (Red LED)	37-43 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	37-43 VDC
Efficiency	91 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %

Connectwell Industries Pvt. Ltd. D7, Phase 2, MIDC, Dombivli (E), Maharashtra, India - 421204. Tel : +91 251 3980 600 / +91 251 3980 800 Fax : +91 251 3980 700 Email : connect@connectwell.com Website : www.connectwell.com b

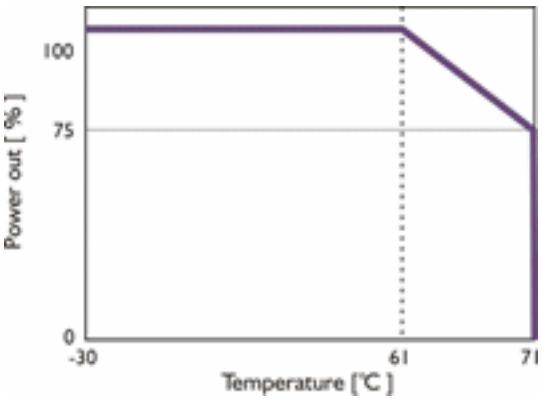
OUTPUT SPECIFICATIONS....

Minimum Load	0 %
Output Current	10 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	47 - 56 VDC
Parallel Operation	2 Units
Power Back Immunity	63 VDC
Rated Continuous Loading	10 A @ 48Vdc / 8.5 A @ 56Vdc
	100 mV
Rise Time	150 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms

ORDERING INFORMATION

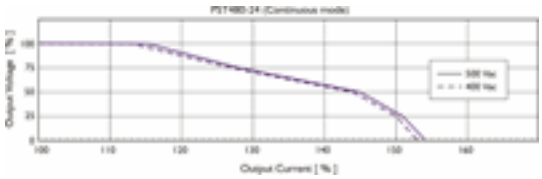
PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	C / D	Continuous / Discontinuous
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	OUT	RDY	(Never connect except 24V model)
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	IN	L3	Input terminals
6	IN	L2	Input terminals
7	IN	L1	Input terminals
8	IN	Earth	Ground this terminal to minimize high-frequency emissions
9	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)

DIMENTISONAL DIAGRAM

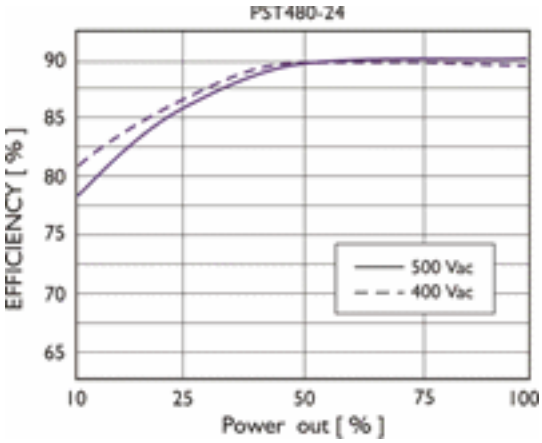


CIRCUIT SCHEMATIC

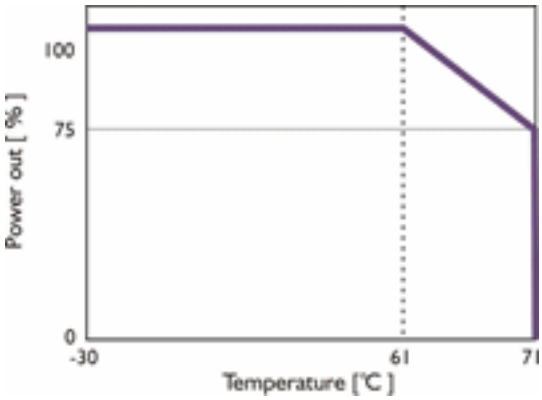
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

Spring terminal: 2 AWG24-10 (0.2~4mm2) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

connectwell
THE RIGHT CONNECTION

PST960/48/20

20A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 93%
- Compact design with a width of only 275.8 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L126.2 XW275.8 X D118.8 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	390000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	52 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	20 A
Output Wattage	960 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	91 %
Efficiency (typ.)	93 %
Standard Packing Qnty	1
Cat. No.	PST960/48/20

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	126.2 x 275.8 x 118.8 mm
Packing	3.68 kg ; 6 pcs / 23 kg / 2.41 CUFT
Weight	3400 g

APPROVALS

CE cULus

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB schemeEN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T5 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	60 - 68 VDC
Rated over load protection	120 -140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	30 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	35 A
Nominal Input Voltage	1Ø or 3Ø 380~480 VAC
P.F.C. (Passive)	0.8
Power Dissipation (Vi: 400 VAC, Io norm)	90 W
Rated Input Current -Max. (Vi : 400 VAC)	2.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.72 A
Rated Input Current -Typ. (Vi : 500 VAC)	1.5 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	37-43 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	37-43VDC
Efficiency	93 %
Fall Time	150 msec
Hold Up Time	15 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %

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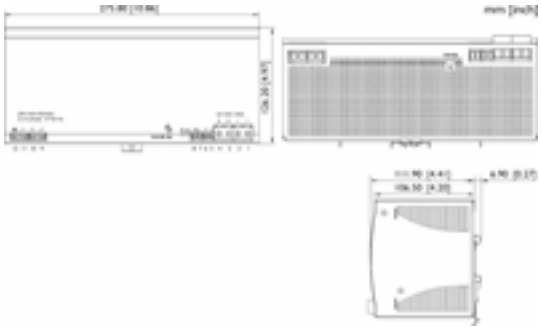
OUTPUT SPECIFICATIONS....

Minimum Load	0 %
Output Current	20 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	47 - 56 VDC
Parallel Operation	2 Units
Power Back Immunity	63 VDC
Rated Continuous Loading	20A @ 48Vdc / 17 A @ 56 Vdc
	80 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

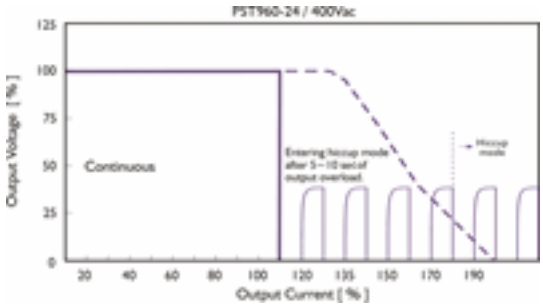
PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L2	Input terminals
11	IN	L1	Input terminals
12	IN	Earth	Ground this terminal to minimize high-frequency emissions
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	G	Parallel GND PIN for current share
6	OUT	p	Parallel PIN for current share
7	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
8	OUT	RDY	(Never connect except 24V model)
9	IN	L3	Input terminals

DIMENTISONAL DIAGRAM

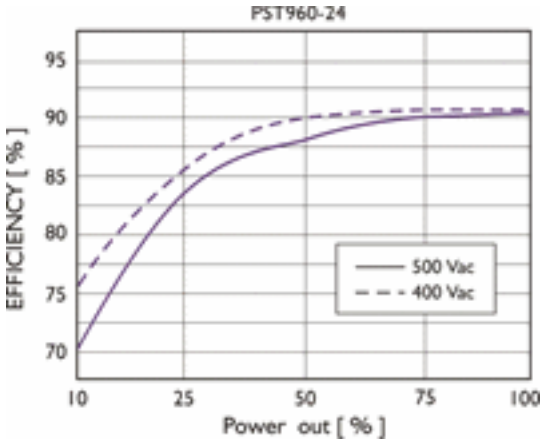


CIRCUIT SCHEMATIC

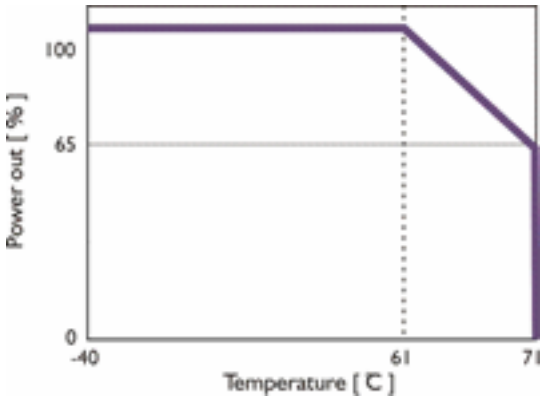
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Connector size range 2 (0.2~4mm2) flexible / solid cable, Output: AWG20-6 - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C Input and Rdy, P, G Control : AWG24 - 10 2 (0.5~10mm) flexible / solid cable - Output connector can withstand torque at maximum 15.6 pound-inches 10m/m stripping at cable end recommends