



# 100 Watt Power Supply with PFC Quad-Output Serie SPS-100PQ



## Features:

- Universal AC input / **Power Factor Correction**
- Power ON with LED indicator
- Built in EMI filter, low ripple noise
- Over load, over voltage & Short Circuit Protection
- Industrial Control System
- 100% 50°C burn-in test
- Approved UL, cUL, TÜV, CB, CE
- 2 years warranty

## Specification:

MODEL	SPS-100PQ1				SPS-100PQ2				SPS-100PQ3				
	V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V4	
OUTPUT	Voltage	+5V	+12V	-5V	-12V	+5V	+15V	-5V	-15V	+5V	+12V	-12V	+24V
	Min. Load	0.5A	0.1A	0A	0A	0.5A	0.1A	0A	0A	0.5A	0.1A	0A	0A
	Max. Load	12A	5A	1A	1A	12A	5A	1A	1A	12A	5A	1A	2A
	Tolerance	±3%	±5%	±10%	±10%	±3%	±5%	±10%	±10%	±3%	±5%	±10%	±10%
	R & Noise (max)	50mV	120mV	100mV	240mV	50mV	150mV	100mV	300mV	50mV	120mV	240mV	240mV
	Efficiency (typ)	%				%				%			
INPUT	Voltage	85 ~ 264VAC or 120 ~ 375VDC Universal full range											
	Frequency	47 ~ 63 Hz											
	Current	< 3A@100V AC input											
	Inrush Current	< 35A@115V / < 70A@230V AC input, Cold start at 25°C ambient											
	Leakage Current	< 1.5mA@264V AC input											
	Power factor	Meet IEC 1000-3-2 class A standard											
PROTECTION	Over Load	Over 105% ~ 180% of rating, shutdown. Auto recovery when fault condition been removed.											
	Over Voltage	+5V Output: +5,8V to +7,0V											
	Short Circuit	Shutdown and auto recovery when short circuit condition has been removed.											
OTHERS	Setup time	3 sec. @ 115Vac, 1sec. @ 230Vac											
	Rise time	< 20mS											
	Hold up time	>16.7mS@115V; >80mS@230V											
	Cooling	Natural Cooling											
Environment	Temperature	Operating: 0 ~ 70°C; Derating: 40°C ~ 70°C : 2.5%/°C. Storage: -20 ~ +85°C											
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)											
M.T.B.F.	240K hours												
SAFETY	Approved: UL 1950 3rd, CSA C22.2 No.950-95 3rd, TÜV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94												
EMC	EMI	FCC CFR 47 PART 15 CLASS B ; EN 55022 Class B:EN61000-3-2,3 ; CNS 13438 CLASS B.											
	EMS	EN55024:EN61000-4-2,3,4,5,6,8,11											
DIMENSION	198 x 95 x 38 mm												
WEIGHT	N.W.: 0.79Kg / 1pc												

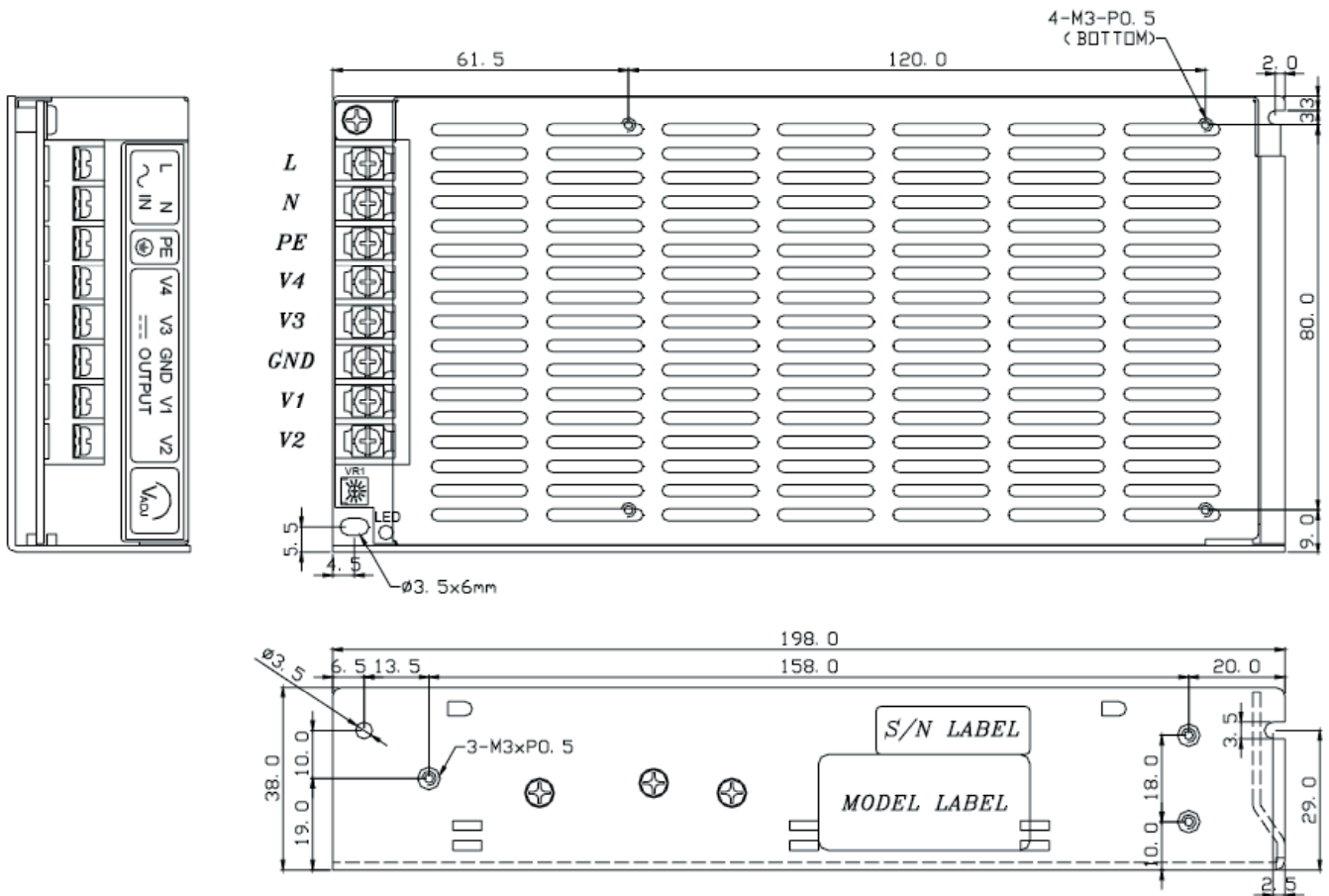
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16-06-2008

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Dimension: (mm)



**NOTES:**

TERMINAL BLOCK: 8P, PITCH 8.25mm

(SPS-100PQ SER. STRAIGHT PIN WITH PC COVER)

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