



SUNPOWER TECHNOLOGY CORP.
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SPS-100PQ Series

100W, 4 Output

P.F.C. Function



198 x 95 x 38 mm
 7.80 x 3.74 x 1.50 inch



Features:

Power ON with LED indicator
Built-in EMI filter, low ripple noise
P.F.C. function
Over load, over voltage protection
Short circuit shutdown and Auto recovery
100% 50 burn-in test
UL, cUL, TUV, CB, CE certified
3 years warranty

Specification:

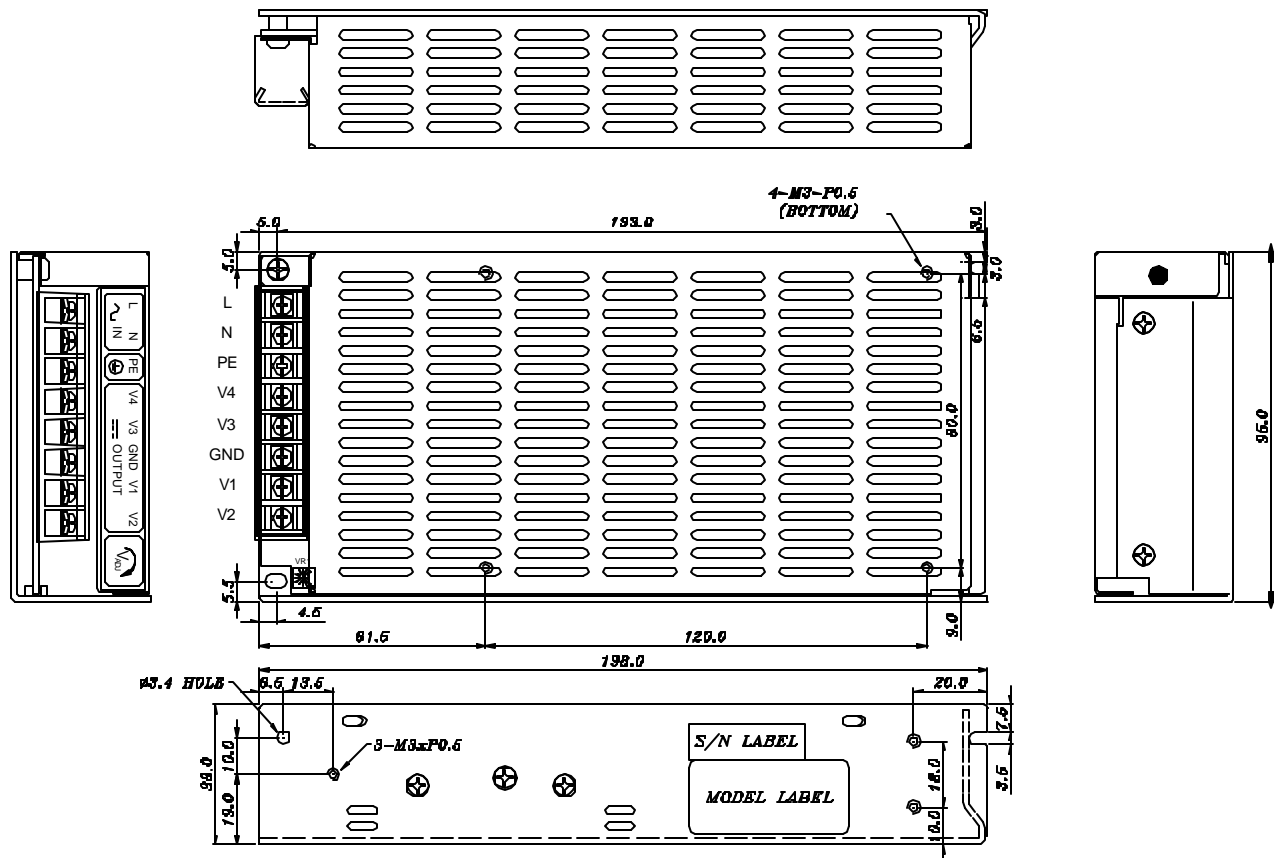
INPUT	Voltage	Universal input 88 ~ 264 VAC or 120 ~ 375 VDC											
	Frequency	47 — 63 Hz											
	Current	3.0 A max@100V AC input											
	Inrush Current	<35A@115V / <70A@230V AC input. Cold start at 25 ambient											
	Leakage Current	<1.5mA@264V AC input											
	Power factor	Meet IEC 1000-3-2 class D, P.F.>0.95											
OUTPUT	MODEL	SPS-100PQ1				SPS-100PQ2				SPS-100PQ3			
		V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V4
	Voltage	+5 V	+12 V	-5 V	-12 V	+5 V	+15 V	-5 V	-15 V	+5 V	+12 V	-12 V	+24 V
	Min. Load	0.3 A	0.1 A	0A	0A	0.3 A	0.1 A	0A	0A	0.3 A	0.1 A	0A	0A
	Max. Load	12 A	5 A	1 A	1 A	12 A	5 A	1 A	1 A	12 A	5 A	1 A	2 A
	Regulation	±3%	±5%	±10%	±10%	±3%	±5%	±10%	±10%	±3%	±5%	±10%	±10%
	Ripple Noise (MAX)	50 mV	120 mV	100 mV	240 mV	50 mV	150 mV	100 mV	300 mV	50 mV	120 mV	240 mV	240 mV
Efficiency (TYP)	72%				73%				73%				
PROTECTION	Over Load Protection	Over 105% ~ 180% of rating, shutdown. Auto recovery when fault condition been removed.											
	Over Voltage Protection	+5V: +5.8 V ~ +7.0 V											
	Short Circuit Protection	Shutdown and auto recovery when short circuit condition has been removed.											
OTHERS	Setup time	3 Sec@115V AC, 1 Sec@230V AC											
	Rise time	<20 mS											
	Hold up time	>16.7 mS@115V, >80 mS@230V											
	Cooling	Natural Cooling											
Environment	Temperature	Operating: -10~70 ; Derating: 40 ~ 70 : 2.5%/ . Storage: -10~+75											
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)											
M.T.B.F.	240K hours												
SAFETY	UL 1950, CSA C22.2 No.950, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 approved.												
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.											
	EMS	EN 61000-6-1(2002)											
PACKING	N.W.:0.7kg / 1pc; 24pcs / 1.22Cu ft ³ / 1 CTN												



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Dimension:

SPS-100PQ Series



- NOTES:
1. MATERIAL : COVER SPCC, NICKEL PLATED.
CHASSIS NATURAL ALUMINIUM.
 2. TERMINAL BLOCK : 8P, PITCH 8.25 mm WITH PC COVER.
 3. UNIT : mm.