



SUNPOWER TECHNOLOGY CORP.
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198 x 95 x 38mm
 7.80 x 3.74 x 1.50inch

SPS-100 Series SPS-100P Series

100W, Single Output Power Supply
 With Power Factor Correction (Option)



Features:								
Universal full range 88V~264V AC or 120V~375V DC.								
Power ON with LED indicator								
Non min load requirement								
Built in EMI filter, low ripple noise								
Over load, over voltage, short circuit protection, shutdown and Auto recovery.								
Current Sharing function (option)								
Output voltage $\pm 10\%$ adjustment								
100% 50 burn-in test								
UL, cUL, TUV, CE approved								
3 years warranty								
Specification:								
INPUT	Voltage	Universal full range 88V~264V AC or 120V~375V DC.						
	Frequency	47 ----- 63 Hz or DC input.						
	Current	< 3 A @100V AC input.						
	Inrush Current	<35A@115V / <70A@230V AC input.						
	Leakage Current	SPS-100 SER. <1.5mA@264V AC input, SPS-100P SER. <2mA@264V AC input.						
OUTPUT	Model	SPS-100-3.3 SPS-100P3.3	SPS-100-05 SPS-100P05	SPS-100-12 SPS-100P12	SPS-100-15 SPS-100P15	SPS-100-24 SPS-100P24	SPS-100-48 SPS-100P48	
	Voltage	3.3V	5V	12V	15V	24V	48V	
	Max. Load	25A	20A	9.8A	7.84A	4.9A	2.1A	
	Regulation	$\pm 3\%$	$\pm 2\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	
	Ripple Noise (MAX.)	50mV	50mV	120mV	150mV	240mV	300mV	
	Efficiency (TYP.)	66%	74%	78%	78%	80%	82%	
	Max Power	75W	100W	100W	100W	100W	100W	
PROTECTION	Over Voltage Protection	3.8V~4.6V	5.8V~7.0V	13.8V~17.5V	17.3V~21V	27.6V~33.6V	55.2V~67.2V	
	Over Load Protection	Over 105% ~ 180% of rating, shutdown and recovers automatically after fault condition has been removed.						
	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.						
OTHERS	Rise time	<20mS						
	Hold up time	>16.7mS@115V, >80mS@230V						
	Setup time	<3sec @ 115V / <1sec @ 230V						
	Cooling	Natural cooling						
Environment	Temperature	Operating: -10~70 ; De-rating: 50 ~70 : 2.0%/ ; Storage: -10~+75 .						
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)						
M.T.B.F.	SPS-100 series: 277K hours, SPS-100P series: 271K hours							
SAFETY	UL 1950 3 rd , CSA C22.2 No. 950-95 3 rd , TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 approved.							
EMC	EMI	EN 55022 CLASS B EN 61000-3-2,3 FCC CFR 47 PART 15 CLASS B CNS 13438 CALSS B. (EN 61000-3-2,3 only for SPS-100P series).						
	EMS	EN 55024 EN 61000-4-2,3,4,5,6,8,11						

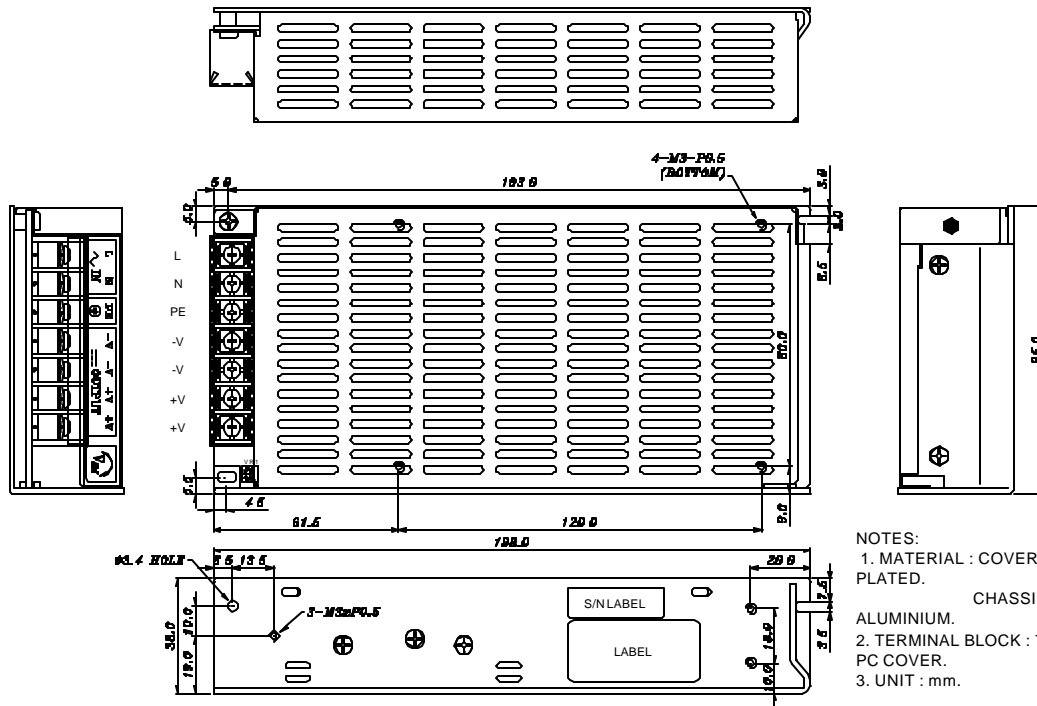


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Dimension:

SPS-100 Series

SPS-100P Series



- NOTES:
1. MATERIAL : COVER 0.6mm SPCC, NICKEL PLATED.
CHASSIS 1.6mm NATURAL ALUMINIUM.
 2. TERMINAL BLOCK : 7P, PITCH 9.5 mm WITH PC COVER.
 3. UNIT : mm.