



SUNPOWER TECHNOLOGY CORP.
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SPS-151P Series

150W, Single Output
 Active P.F.C Function



198 x 99 x 38 mm
 7.8 x 3.9 x 1.5 inch



Features:

Universal AC input with active power factor correction, P.F.>0.95
Built in EMI filter, low ripple noise
Over load, over voltage & short circuit protection
Over temperature protection (optional)
Output voltage $\pm 10\%$ adjustment
Remote Control ON/OFF (optional)
Non min. load requirement
100% 50 burn-in test
UL, cUL, TUV, ,CB, CE approved
3 years warranty

Specification:

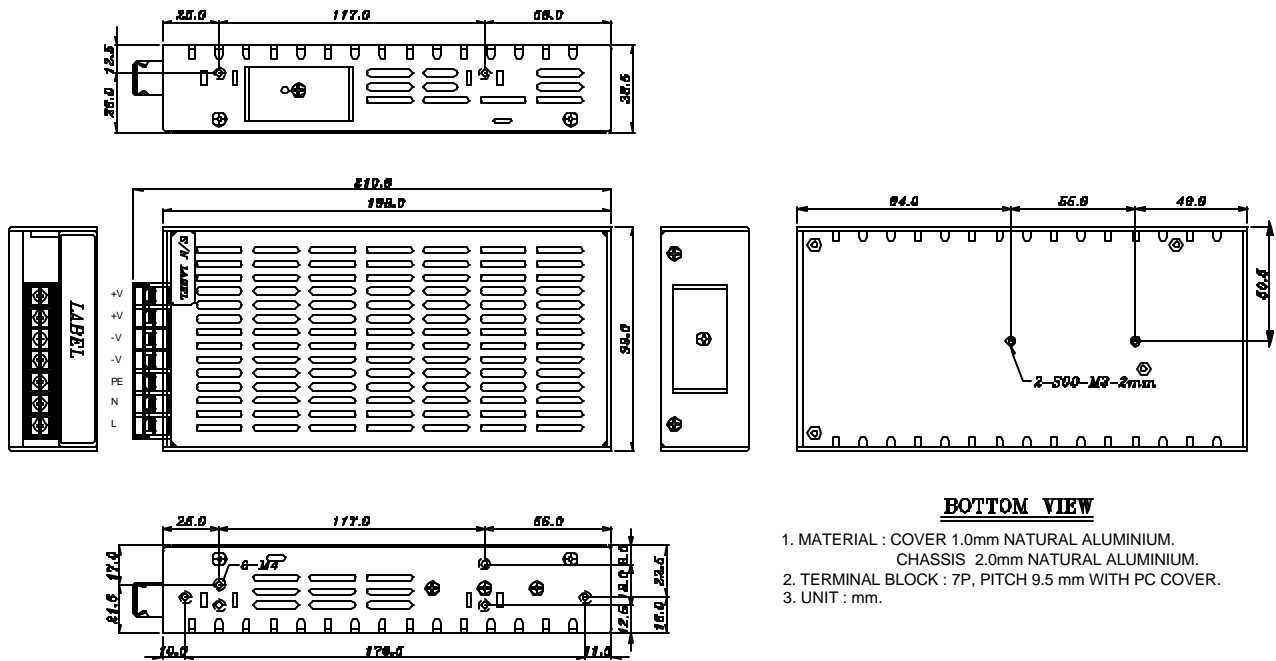
INPUT	Voltage	85 ~ 264VAC or 120V ~ 375VDC, universal full range, single phase.							
	Frequency	47 --- 63 Hz							
	Current	2.2A max at 100V AC input, full load condition							
	Inrush Current	<35A@115V / <70A@230V AC input, full load condition. Cold start at 25 ambient							
	Leakage Current	<1.5mA@264V AC input							
	Power Factor	Meet IEC 1000-3-2 class D, P.F.>0.95							
MODEL		SPS-151P-3.3	SPS-151P-05	SPS-151P-7.5	SPS-151P-12	SPS-151P-15	SPS-151P-24	SPS-151P-27	SPS-151P-48
OUTPUT	Voltage	3.3V	5V	7.5V	12V	15V	24 V	27 V	48V
	Min. Load	0A							
	Max. Load	30A	30A	20A	12.5A	10A	6.3A	5.6A	3.2A
	Regulation	$\pm 3\%$			$\pm 2\%$		$\pm 1\%$		
	Ripple Noise (MAX.)	50mV	70mV	80mV	100mV	120mV	150mV	180mV	250mV
	OVP	+3.8-4.6V	+5.8-7.0V	+8.6-10.5V	+13.8-17.5V	+17.3-21.0V	+27.6-33.6V	+31.1-37.8V	+55.2-67.2V
	Efficiency (TYP.)	69%	75%	77%	80%		83%	84%	
	Max. Power	100W					150W		
PROTECTION	Over Load Protection	Over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.							
	Over Voltage Protection	✓							
	Over Temperature	Optional							
	Short Circuit Protection	Shutdown and recovers automatically after fault condition has been removed.							
OTHERS	Setup time	<2S@115V							
	Rise time	<20mS							
	Hold up time	>20mS@230V							
	Remote Control	Optional							
	Cooling	Natural cooling							
Environment	Temperature	Operating: -10~70 ; derating: 45 ~70 : 2.5%/ . Storage: -10~+75							
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)							
M.T.B.F.	200K hours								
SAFETY	UL 60950, CSA C22.2 No.60950, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 Approved.								
EMC	EMI	FCC CFR 47 PART 15 CLASS B EN 55022 EN 61000-3-2,3 CNS 13438 CALSS B.							
	EMS	EN 55024 EN61000-4-2,3,4,5,6,8,11.							
PACKING	N.W.: 0.9Kg / 1pc; 18pcs / 1.38 Cu ft ³ / 1 CTN								



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Dimension:

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BOTTOM VIEW

1. MATERIAL : COVER 1.0mm NATURAL ALUMINIUM.
CHASSIS 2.0mm NATURAL ALUMINIUM.
2. TERMINAL BLOCK : 7P, PITCH 9.5 mm WITH PC COVER.
3. UNIT : mm.