



**SUNPOWER TECHNOLOGY CORP.**  
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# SPP-150P Series

150W, Single Output

Active P.F.C Function



222 x 62 x 41.6mm  
 8.74 x 2.44 x 1.64inch

Features:										
Universal AC input with active power factor correction, P.F.>0.95										
Over load, over voltage & short circuit protection										
Built-in EMI filter, low ripple noise										
Output voltage $\pm 10\%$ adjustment										
100% 50 burn-in test										
Meet UL, cUL, TUV standard										
2 years warranty										
Specification:										
INPUT	Voltage	90V --- 264V Universal full range, single phase.								
	Frequency	47 ---- 63 Hz								
	Current	<2.2A@100V AC input, full load condition								
	Inrush Current	<25A@115V / <50A@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	SPP-150P-3.3	SPP-150P-05	SPP-150P-7.5	SPP-150P-12	SPP-150P-15	SPP-150P-24	SPP-150P-27	SPP-150P-48		
OUTPUT	Voltage	3.3V	5V	7.5V	12V	15V	24V	27V	48V	
	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	90mV	100mV	100mV	100mV	100mV	150mV	
	Efficiency (typ)	69%	75%	77%	80%	80%	83%	84%	84%	
	Max output	100 W	150 W							
PROTECTION	Over Voltage Protection	38V- 4.6V	5.8V-7.0V	8.6V-10.5V	13.8V-17.5V	17.3V-21V	27.6V-33.6V	31.1V-37.8V	55.2V-67.2V	
	Over Load Protection	Shut down when output power reach 105% - 180% of rating. Auto recovery when fault condition been removed.								
	Short Circuit Protection	Short circuit shut down. Auto recovery when fault condition been removed.								
OTHERS	Rise time	<30mS								
	Hold up time	>20mS@230V								
	Cooling	Natural cooling								
	Output voltage adjustment	10% of rated voltage								
Environment	Temperature	Operating: 0~70 ; derating: 45 ~70 : 2.5%/ . Storage: -40~+75								
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)								
M.T.B.F.	299K hours									
SAFETY	UL 1950, CSA C22.2 No. 950, TUV EN 60950, IEC 950, EMKO -TSE (74-SEC)207/94 standard.									
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.								
	EMS	EN 50082-1 (1997)								



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Dimension:

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