



**SUNPOWER TECHNOLOGY CORP.**  
 16F-1, No.150, Jian Yi Rd., Chung Ho City, Taipei Hsien, Taiwan, R.O.C.  
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# SPS-150P Series

150W, Single Output

Active Power Factor Correctior



198 x 99 x 50 mm  
 7.80 x 3.90 x 1.97 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 protection
- \* short circuit protection and Auto recovery
- \* Output voltage  $\pm 10\%$  adjustment
- \* Over temperature protection (Optional)
- \* Remote Control ON/OFF (Optional)
- \* 100% 50 burn-in test
- \* UL, cUL, TUV, ,CB, CE approved
- \* 2 years warranty

## Specification:

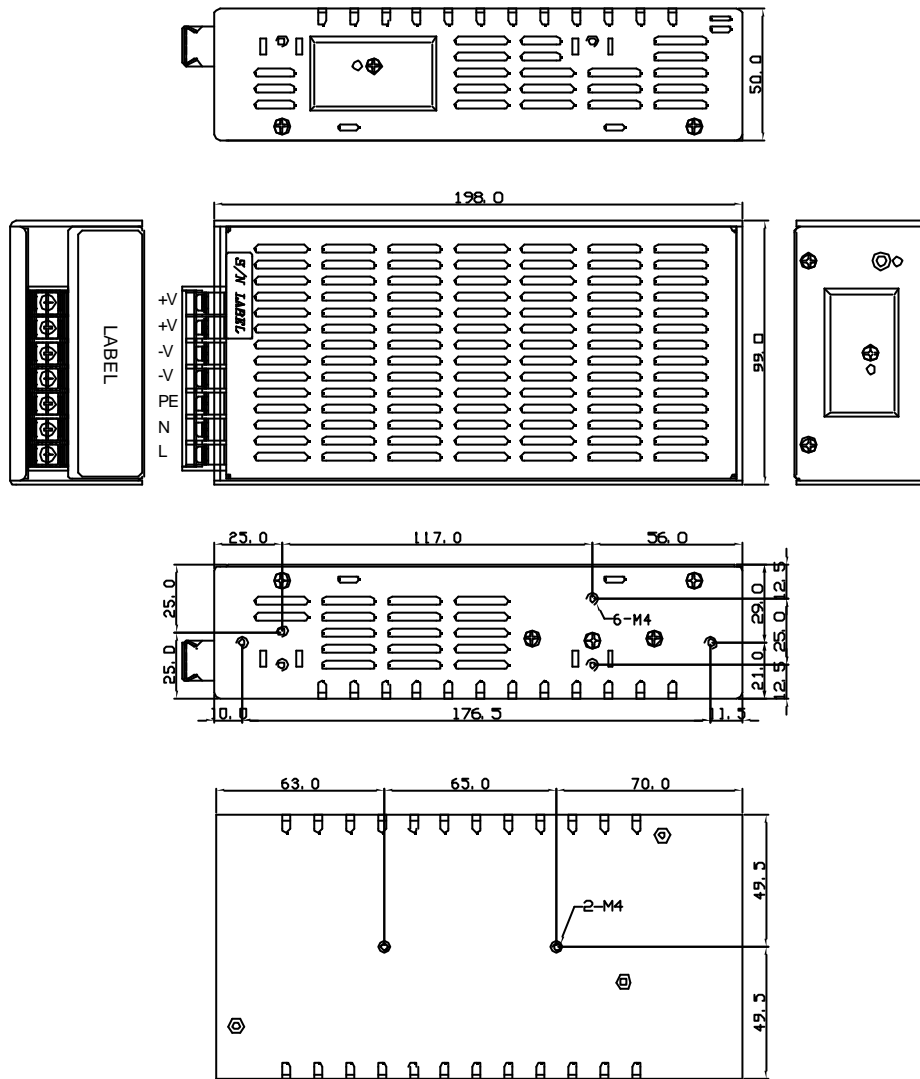
INPUT	Voltage	85~264 VAC or 120~375VDC, universal full range.			
	Frequency	47 ---- 63 Hz			
	Current	<2.2A @100V AC input.			
	Inrush Current	<35A@115V / <70A@230V AC input.			
	Leakage Current	<1.5mA@264V AC input			
OUTPUT	<b>MODEL</b>	<b>SPS-150P-3.3</b>	<b>SPS-150P-05</b>	<b>SPS-150P-7.5</b>	<b>SPS-150P-12</b>
	Voltage	3.3V	5V	7.5V	12V
	Min. Load	0A			
	Max. Load	30A	30A	20A	12.5A
	Regulation	$\pm 3\%$	$\pm 2\%$		$\pm 1\%$
	Ripple & Noise (MAX)	50mV	70mV	80mV	100mV
	Efficiency (TYP)	72%	77%	82%	83%
	Max. Power	100W	150W		
	<b>MODEL</b>	<b>SPS-150P-15</b>	<b>SPS-150P-24</b>	<b>SPS-150P-27</b>	<b>SPS-150P-48</b>
	Voltage	15V	24V	27V	48V
	Min. Load	0A			
	Max. Load	10A	6.3A	5.6A	3.2A
	Regulation	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$
	Ripple & Noise (MAX)	100mV	150mV	150mV	250mV
	Efficiency (TYP)	83%	84%	84%	84%
Max. Power	150W				
PROTECTION	Over Voltage Protection	<b>3.3V</b> : +3.8 ~ 4.6 V <b>15V</b> : + 17.3 ~ 21.0 V	<b>5V</b> : +5.8 ~ 7.0 V <b>24V</b> : +27.6 ~ 33.6 V	<b>7.5V</b> : +8.6 ~ 10.5 V <b>27V</b> : +31.1 ~ 37.8 V	<b>12V</b> : + 13.8 ~ 17.5 V <b>48V</b> : + 55.2 ~ 67.2 V
	Over Load Protection	Over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.			
	Over Temp Protection	Optional			
	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.			
OTHERS	Rise time	<20mS			
	Hold up time	>20mS@230V			
	Setup time	>2 Sec @115V			
	Remote Control	Option. RC+/RC-: 0~0.7V= Power On; 3~5V= Power Off. Sink Current: 3~10 mA .			
	Cooling	Natural Cooling			
Environment	Temperature	Operating: -10~70 ; De-rating: 50 ~70 : 2.5%/ . Storage: -10~+75			
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)			
M.T.B.F.	232K hours				
SAFETY	UL 60950 3 <sup>rd</sup> , CSA C22.2 No.60950 3 <sup>rd</sup> , TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 approved. CCC GB 4943 standard.				
EMC	EMI Standard	EN 55022 CLASS B : EN 61000-3-2,3, FCC CFR 47 PART 15 CLASS B, CNS 13438 CLASS B.			
	EMS Standard	EN 55024 : EN 61000-4-2,3,4,5,6,8,11.			



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Dimension:

# SPS-150P Series



### BOTTOM VIEW

NOTES:

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