

**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 Correction**

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°C 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 or DC input.			
	Current	<2.2A @100V AC input.			
	Inrush Current	<35A@115V / <70A@230V AC input.			
	Leakage Current	<1.5mA@264V AC input			
OUTPUT	MODEL	SPS-150P-3.3	SPS-150P-05	SPS-150P-7.5	SPS-150P-12
	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		
	MODEL	SPS-150P-15	SPS-150P-24	SPS-150P-27	SPS-150P-48
	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	3.3V : + 3.8 ~ 4.6 V 15V : + 17.3 ~ 21.0 V	5V : + 5.8 ~ 7.0 V 24V : + 27.6 ~ 33.6 V	7.5V : + 8.6 ~ 10.5 V 27V : + 31.1 ~ 37.8 V	12V : + 13.8 ~ 17.5 V 48V : + 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 .			
Environment	Cooling	Natural Cooling			
	Temperature	Operating: -10~70°C; De-rating: 50°C ~70°C : 2.5%/°C. Storage: -10~+75°C			
M.T.B.F.	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)			
		232K hours			
SAFETY		UL 60950 3 rd , CSA C22.2 No.60950 3 rd , 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:

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