



SUNPOWER TECHNOLOGY CORP.
16F-1, No.150, Jian Yi Rd., Chung Ho City, Taipei Hsien, Taiwan, R.O.C.
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SPS-320P Series

320W, Single Output

Active Power Factor Correction



212 x 115 x 50 mm
8.35 x 4.53 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, short circuit protection
- * Over temperature protection (Option)
- * Output voltage $\pm 10\%$ adjustment
- * Remote Control ON/OFF (Optional)
- * Output voltage remote sense
- * Cooling fan auto sensing ON/OFF
- * Non min load requirement
- * 100% 50°C burn-in test
- * UL, cUL, TUV, CB, CE approved
- * 3 years warranty

Specification:

INPUT	Voltage	85V ~ 264VAC or 120V ~ 375VDC, universal full range.			
	Frequency	47 ---- 63 Hz or DC input.			
	Current	<4.3A @100V AC input, full load condition.			
	Inrush Current	<25A@115V / <50A@230V AC input.			
	Leakage Current	<1.5mA@264V AC input			
OUTPUT	MODEL	SPS-320P-3.3	SPS-320P-05	SPS-320P-7.5	SPS-320P-12
	Voltage	3.3V	5V	7.5V	12V
	Max. Load	50A	50A	40A	26.7A
	Regulation	±3%	±2%		±1%
	Ripple Noise (MAX.)	50mV	70mV	80mV	100mV
	Efficiency (TYP.)	72%	79%	81%	82%
	Max Power	165W	250W	300W	320W
	MODEL	SPS-320P-15	SPS-320P-24	SPS-320P-30	SPS-320P-48
	Voltage	15V	24V	30V	48V
	Max. Load	21.4A	13.4A	10.7A	6.7A
	Regulation	±1%			
	Ripple Noise (MAX.)	120mV	150mV	200mV	250mV
	Efficiency (TYP.)	84%	86%	86%	87%
	Max Power	320W			
PROTECTION	Over Voltage Protection	3.3V : 3.8~4.6V 15V : 17.3~21V	5V : 5.8~7.0V 24V : 27.6~33.6V	7.5V : 8.6~10.5V 30V : 34.5~42V	12V : 13.8~17.5V 48V : 55.2~67.2V
	Over Load Protection	Over 105% ~ 180% of rating, shutdown. Auto recovery when fault condition been removed.			
	Over Temp. Protection	Option. When the power supply temperature over 95℃, the power supply will shut down.			
	Short Circuit Protection	Shutdown, recovers automatically after fault condition removed.			
OTHERS	Rise time	<20mS			
	Hold up time	>20mS@230V			
	Remote Control	Option. RC+/RC-: 0~0.7V= Power On; 3~5V= Power Off. Sink Current: 3~10 mA			
	Cooling	Built-in a DC ball bearing Fan, auto working when internal temperature reach 35℃±4℃			
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.	205K 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(2001) 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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