



SUNPOWER TECHNOLOGY CORP.  
 33485 WESTERN AVE. UNION CITY, CA 94587, UNITED STATES.  
 TEL: 510.489.5088 FAX: 510.489.8966  
 http://www.sunpower-usa.com  
 E-mail: sales@sunpower-usa.com

# SPS-320P Series

## Enclosed Power Supply

### 320W, 1-Output, Active P.F.C



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 burn-in test
UL, cUL, TUV, CB, CE approved
3 years warranty

#### Specification:

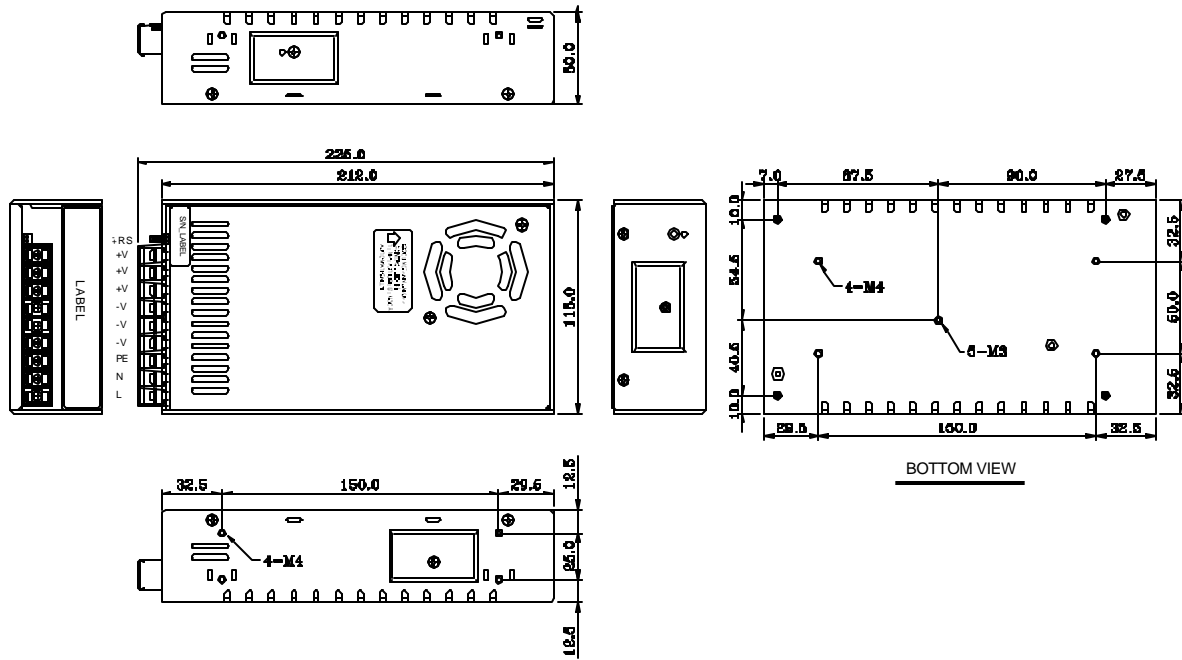
INPUT	Voltage	85V ~ 264VAC or 120V ~ 375VDC, universal full range, single phase.								
	Frequency	47 ~ 63 Hz								
	Current	<4.3A @100V AC input, full load condition								
	Inrush Current	<25A@115V / <50A@230V AC input, full load condition. Cold start at 25 ambient								
	Leakage Current	<1.5mA@264V AC input								
OUTPUT	MODEL	SPS-320P-3.3	SPS-320P-05	SPS-320P-7.5	SPS-320P-12	SPS-320P-15	SPS-320P-24	SPS-320P-30	SPS-320P-48	
	Voltage	3.3V	5V	7.5V	12V	15V	24V	30V	48V	
	Min. Load	0A								
	Max. Load	50A	50A	40A	26.7A	21.4A	13.4A	10.7A	6.7A	
	Regulation	$\pm 3\%$	$\pm 2\%$			$\pm 1\%$				
	Ripple Noise (MAX.)	50mV	70mV	80mV	100mV	120mV	150mV	200mV	250mV	
	OVP	3.8~4.6V	5.8~7.0V	8.6~10.5V	13.8~17.5V	17.3~21V	27.6~33.6V	34.5~42V	55.2~67.2V	
	Efficiency (MIN.)	68%	75%	77%	80%	80%	83%	84%	84%	
Max Power	165W	250W	300W	320W						
PROTECTION	Over Voltage Protection	✓								
	Over Load Protection	Over 105% ~ 180% of rating, shutdown. Auto recovery when fault condition been removed.								
	Over Temperature	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: 45 ~70 : 2.0%/ . Storage: -20~+75								
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)								
M.T.B.F.	205K 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(2001) standard.									
EMC	EMI	EN 55022 CLASS B EN 61000-3-2,3 FCC CFR 47 PART 15 CLASS B CNS 13438 CLASS B.								
	EMS	EN 55024 EN 61000-4-2,3,4,5,6,8,11.								
PACKING	N.W.: 1.2Kg / 1pc; 14pcs / 1.38 Cu ft / 1 CTN									



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Dimension:

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SC-178PSA1\_1.2