

**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-C Series

320W, Single Output**Active P.F.C., For Charger**212 x 115 x 50 mm
8.35 x 4.53 x 1.97 inch**CBCE R****Features:**

- * Universal AC input with active power factor correction, P.F.>0.95
- * With constant current limiting & temperature compensation circuit for charger.
- * Built in EMI filter, low ripple noise
- * Over load, over voltage protection
- * Over temperature protection (Option)
- * short circuit protection and Auto recovery
- * Output voltage $\pm 10\%$ adjustment
- * Output voltage remote sense
- * Non min. load requirement
- * Remote Control ON/OFF (Optional)
- * UL, cUL, TUV, CB, CE standard
- * 2 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.				
	Inrush Current	<25A@115V / <50A@230V AC input.				
	Leakage Current	<1.5mA@264V AC input				
OUTPUT	MODEL	SPS-320P-12C	SPS-320P-15C	SPS-320P-24C	SPS-320P-30C	SPS-320P-48C
	Voltage	12V	15V	24V	30V	48V
	Max. Load	26.7A	21.4A	13.4A	10.7A	6.7A
	Regulation	±1%	±1%	±1%	±1%	±1%
	Ripple Noise (MAX.)	100mV	120mV	150mV	200mV	250mV
	Efficiency (TYP.)	82%	84%	86%	86%	87%
	Max Power	320W	320W	320W	320W	320W
PROTECTION	Over Voltage Protection	+13.8~16.8V	+17.25~21.0V	+27.6~33.6V	+34.5~42.0V	+55.2~67.2V
	Over Load Protection	Over 105% ~ 180% of rating, shutdown. Auto recovery when fault condition been removed.				
	Short Circuit Protection	Shutdown, recovers automatically after fault condition removed.				
	Over Temperature Protection	Optional. Over 95℃, the power supply will shutdown.				
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 13.7 CFM DC ball bearing fan.				
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.	189K hours					
SAFETY	UL 60950-1 st , CSA C22.2 No.60950-1 st TUV EN 60950-1 : 2001 + A11 , IEC 60950-1 st , EMKO-TSE(74-SEC)207/94 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.				

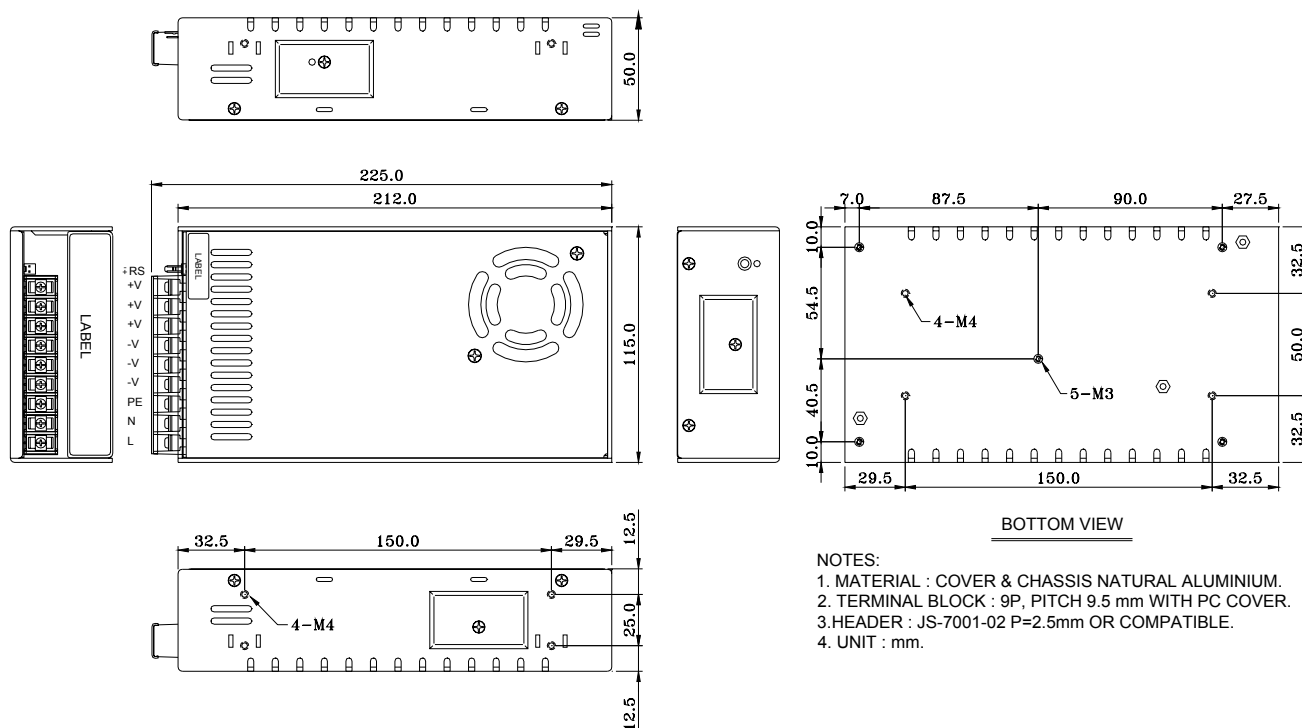
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SPS-320P-C Series

**BOTTOM VIEW****NOTES:**

1. MATERIAL : COVER & CHASSIS NATURAL ALUMINIUM.
2. TERMINAL BLOCK : 9P, PITCH 9.5 mm WITH PC COVER.
3. HEADER : JS-7001-02 P=2.5mm OR COMPATIBLE.
4. UNIT : mm.