



SUNPOWER TECHNOLOGY CORP.
16F-1, No.150, Jian Yi Rd., Chung Ho City, Taipei Hsien, Taiwan, R.O.C.
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SPS-600P Series

600W, Single Output

Active Power Factor Correction



275 x 125 x 63mm
10.83 x 4.92 x 2.48inch



Features:

- * Universal AC input with active power factor correction, P.F.>0.95
- * Built-in in EMI filter, low ripple noise
- * Inrush current limit soft start function
- * Over load, over voltage and over temperature protection
- * Short circuit shutdown and auto recovery
- * Output voltage $\pm 10\%$ adjustment
- * Power Good Signal
- * Cooling FAN auto sensing ON/OFF
- * Output voltage remote sense
- * Remote Control ON/OFF
- * Non min. load requirement
- * 100% 50°C burn-in test
- * Meet EMI EN55022、EMS EN55024、LVD standard
- * UL, cUL, TUV, CB, CE approved
- * 3 years warranty

Specification:

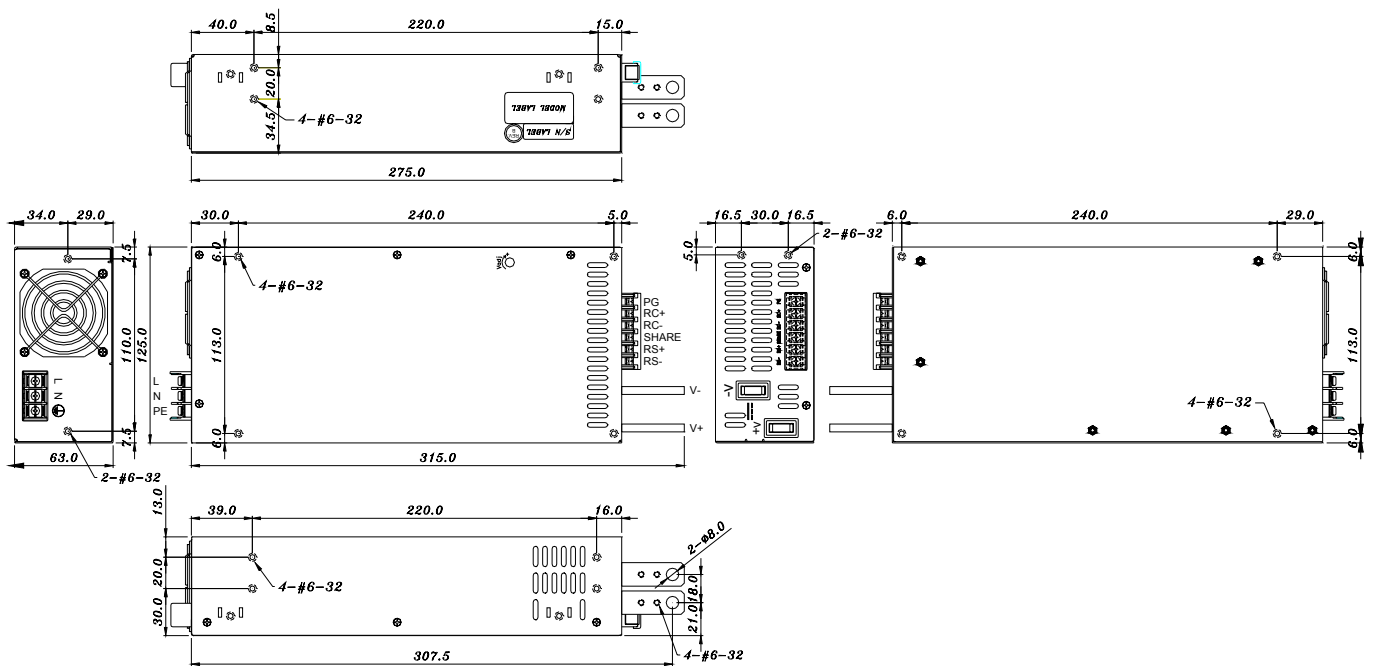
INPUT	Voltage	90V ~ 264VAC or 125V ~ 375VDC, universal full range.					
	Frequency	47 ---- 63 Hz or DC input.					
	Current	8.0A max@100V AC input.					
	Inrush Current	<50A@115V / <90A@230V AC input.					
	Leakage Current	<1.0mA@240V AC input.					
OUTPUT	MODEL	SPS-600P-05	SPS-600P-12	SPS-600P-15	SPS-600P-24	SPS-600P-30	SPS-600P-48
	Voltage	5V	12V	15V	24V	30V	48V
	Max. Load	100A	50A	40A	25A	20A	12.5A
	Regulation	±2%	±1%				
	Ripple Noise (MAX.)	70mV	120mV	150mV	240mV	300mV	480mV
	Efficiency (TYP.)	77%	84%	85%	86%		87%
	Max Power	500W	600W				
PROTECTION	Over Voltage Protection	+5.8~7.5V	+13.8~17.5V	+17.3~21.0V	+27.6~33.6V	+34.5~42.0V	+55.2~67.2V
	Over Load Protection	Over 105% ~ 150% of rating, shutdown. Auto recovery when fault condition been removed.					
	Short Circuit Protection	Shutdown, recovers automatically after fault condition removed.					
	Over Temp. Protection	Shutdown when the temperature of power supply over 95℃.					
OTHERS	Rise time	<50mS					
	Hold up time	>20mS@230V					
	Parallel/Series	Built in current sharing circuit, reach 1.5KW.					
	Remote Control	RC+ / RC- : 0~0.7V=Power ON, 3~5V=Power OFF ; Sink Current: 3-10mA.					
	Remote Sensing	(RS+,RS-).					
	Cooling	Built-in a 16CFM DC ball bearing Fan.					
Environment	Temperature	Operating: -10~70 ℃ ; De-rating: 50℃ ~70℃ : 3.0%/℃. Storage: -10~+75℃					
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)					
M.T.B.F.	125K 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:

SPS-600P Series



NOTE :

1. MATERIAL : COVER & CHASSIS S.P.C.C.
2. TERMINAL BLOCK : I/P 3P, PITCH 9.5 mm.
O/P 6P, PITCH 7.62 mm WITH PC COVER.
3. UNIT : mm.