



SUNPOWER TECHNOLOGY CORP.
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SPS-600P Series

600W, Single Output
 Active P.F.C Function



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



Features:

Built-in EMI filter, low ripple noise
Universal AC input with active power factor correction, P.F.>0.95
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
100% 50 burn-in test
Meet EMI EN55022 EMS EN55024 LVD standard
UL, cUL, TUV, CB, CE approved
3 years warranty

Specification:

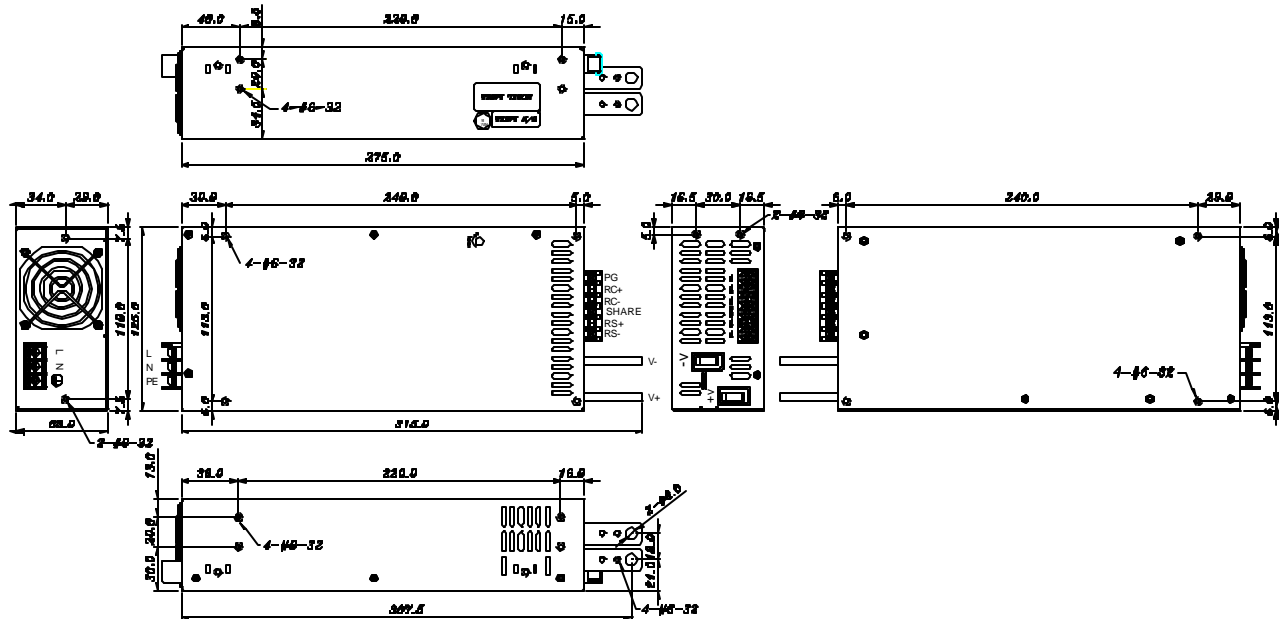
INPUT	Voltage	Universal full range 90V AC --- 264V AC.					
	Frequency	47 ---- 63 Hz					
	Current	8.0A max@100V AC input, full load condition.					
	Inrush Current	<50A@115V / <90A@230V AC input, full load condition. Cold start at 25 ambient.					
	Leakage Current	<1.0mA@240V AC input.					
	Power Factor	Meet IEC 1000-3-2 class D, P.F.>0.95.					
OUTPUT	Voltage	SPS-600P-05	SPS-600P-12	SPS-600P-15	SPS-600P-24	SPS-600P-30	SPS-600P-48
		5V	12V	15V	24V	30V	48V
	Min. Load	0A					
	Max. Load	100A	50A	40A	25A	20A	12.5A
	Regulation	$\pm 2\%$	$\pm 1\%$				
	Ripple Noise (MAX.)	70mV	120mV	150mV	240mV	300mV	480mV
	OVP	5.8~7.5V	13.8~17.5V	17.3~21.0V	27.6~33.6V	34.5~42.0V	55.2~67.2V
Efficiency (MIN.)	75%	80%		82%		84%	
PROTECTION	Over Load Protection	Over 105% ~ 150% of rating, shutdown. Auto recovery when fault condition been removed.					
	Over Temperature Protection	Shutdown when the temperature of power supply over 95 .					
	Short Circuit Protection	Shutdown, recovers automatically after fault condition removed.					
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 ; Derating: 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 Standards	FCC CFR 47 PART 15 CLASS B EN 55022 class B CNS 13438 CLASS B.					
	EMS Standards	EN 55024 EN 61000-4-2,3,4,5,6,8,11.					
PACKING	N.W.: --Kg / 1pc; --pcs / -- Cu ft ³ / 1 CTN						



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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.