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

# SPS-600P Series

600W, Single Output

Active P.F.C Function



## Features:

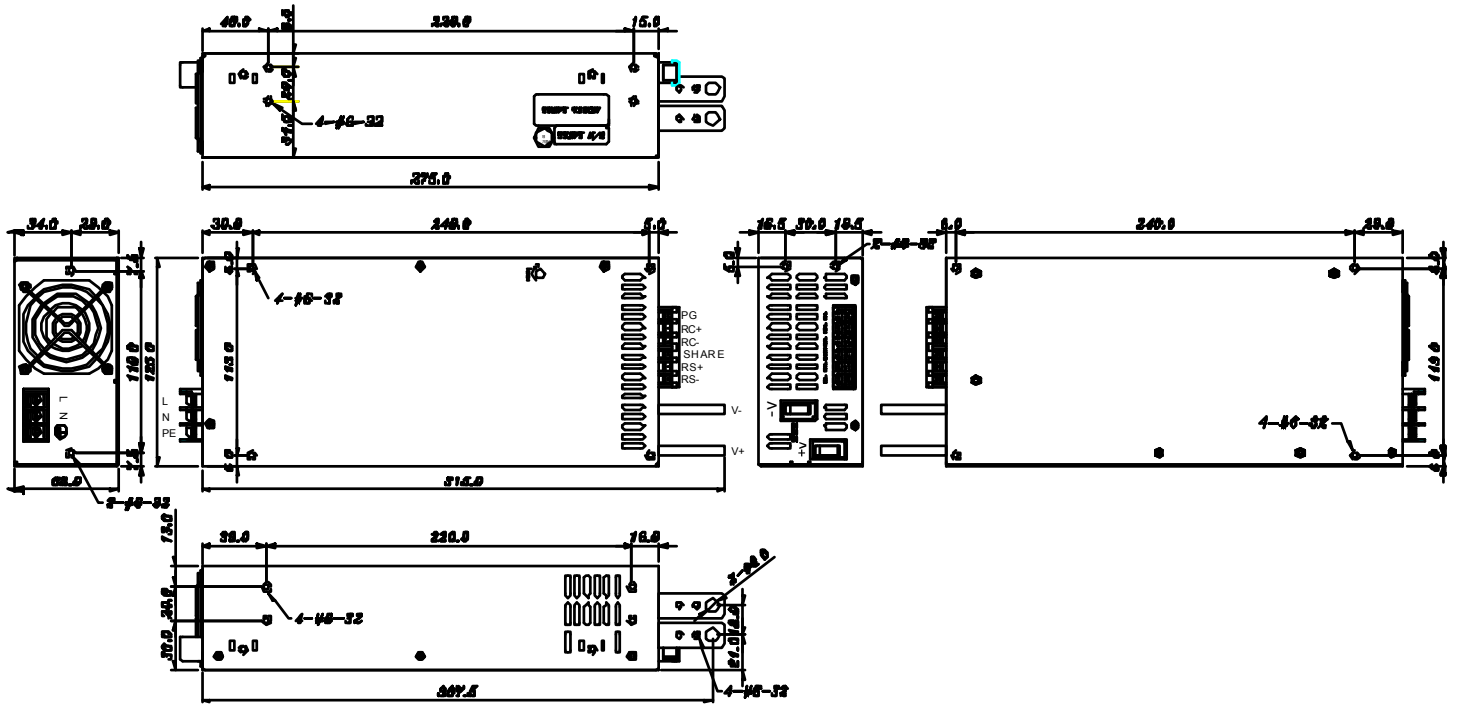
- Built-in in EMI filter, low ripple noise
- Universal AC input with active power factor correction, P.F.>0.95
- Inrush current limit soft start function
- Over load, over voltage and over temperature protection
- Short circuit shutdown and auto recovery
- Output voltage  $\pm 10\%$  adjustment
- Power 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	<b>SPS-600P-05</b>	<b>SPS-600P-12</b>	<b>SPS-600P-15</b>	<b>SPS-600P-24</b>	<b>SPS-600P-30</b>	<b>SPS-600P-48</b>	
		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 <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 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 <sup>3</sup> / 1 CTN							

Dimension:

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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.