



SUNPOWER TECHNOLOGY CORP.  
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# SPS-375 Series

375W, Single Output



212 x 115 x 50 mm  
 8.35 x 4.53 x 1.97 inch



## Features:

- \* AC input 90V ~ 132V or 180V ~264V selected by switch
- \* Built-in EMI filter, low ripple noise
- \* Over load, over voltage, short circuit protection
- \* Over temperature protection (Option)
- \* Output voltage  $\pm 10\%$  adjustment
- \* Cooling fan auto sensing ON/OFF
- \* Non min load requirement
- \* 100% 50 burn-in test
- \* Meet UL, cUL, TUV, CB, CE standard
- \* 1 years warranty

## Specification:

INPUT	Voltage	AC 90V ~ 132V or 180V ~264V selected by SW			
	Frequency	47 ---- 63 Hz			
	Current	<7.3A @ 115V / <4.2A @ 230V AC input, full load condition			
	Inrush Current	<80A@230V AC input, full load condition. Cold start at 25 ambient			
	Leakage Current	<2.0mA@264V AC input			
OUTPUT	<b>MODEL</b>	<b>SPS-375-05</b>	<b>SPS-375-7.5</b>	<b>SPS-375-12</b>	<b>SPS-375-15</b>
	Voltage	5V	7.5V	12V	15V
	Max. Load	52A	42A	31A	25A
	Regulation	$\pm 2\%$	$\pm 2\%$	$\pm 1\%$	$\pm 1\%$
	Ripple Noise (MAX.)	70mV	80mV	100mV	120mV
	Efficiency (TYP.)	73%	74%	76%	78%
	Max Power	260W	315W	372W	375W
	<b>MODEL</b>	<b>SPS-375-24</b>	<b>SPS-375-30</b>	<b>SPS-375-48</b>	
	Voltage	24V	30V	48V	
	Max. Load	15.6A	12.5A	7.8A	
	Regulation	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	
	Ripple Noise (MAX.)	150mV	200mV	250mV	
	Efficiency (TYP.)	81%	82%	83%	
	Max Power	374.4W	375W	374.4W	
PROTECTION	Over Voltage Protection	<b>5V</b> : 5.8~7.0V <b>24V</b> : 27.6~33.6V	<b>7.5V</b> : 8.6~10.5V <b>30V</b> : 34.5~42V	<b>12V</b> : 13.8~17.5V <b>48V</b> : 55.2~67.2V	<b>15V</b> : 17.3~21.0V
	Over Load Protection	Over 105% ~ 150% of rating, shutdown. Auto recovery when fault condition been removed.			
	Over Temp. Protection	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	<30mS			
	Hold up time	>20mS@230V			
	Remote Control	----			
	Cooling	Built-in a DC ball bearing Fan, auto working when internal temperature reach 35 $\pm 4$			
Environment	Temperature	Operating: -10~70 ; De-rating: 50 ~70 : 2.5%/ . Storage: -10~+75			
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)			
M.T.B.F.	212.3K 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 standard. 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:

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