



SUNPOWER TECHNOLOGY CORP.  
 33485 WESTERN AVE. UNION CITY, CA 94587, UNITED STATES.  
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# SPS-050 Series

## 50W, Single Output



99 x 82 x 35 mm  
 3.90 x 3.23 x 1.38 inch



### Features:

Universal AC input / Full range
High operating temperature and low storage temperature
Green-mode designing, meet IEA standard<0.75W (standby state)
Non min. load requirement
Power ON with LED indicator
Over load, over voltage protection
Short circuit shutdown and Auto recovery
Built-in EMI filter, low ripple noise
100% 50 burn-in test
Meet UL, cUL, TUV, CB, CE standard
Meet EMI EN55022 & EMS EN55024 standard
1 years warranty

### Specification:

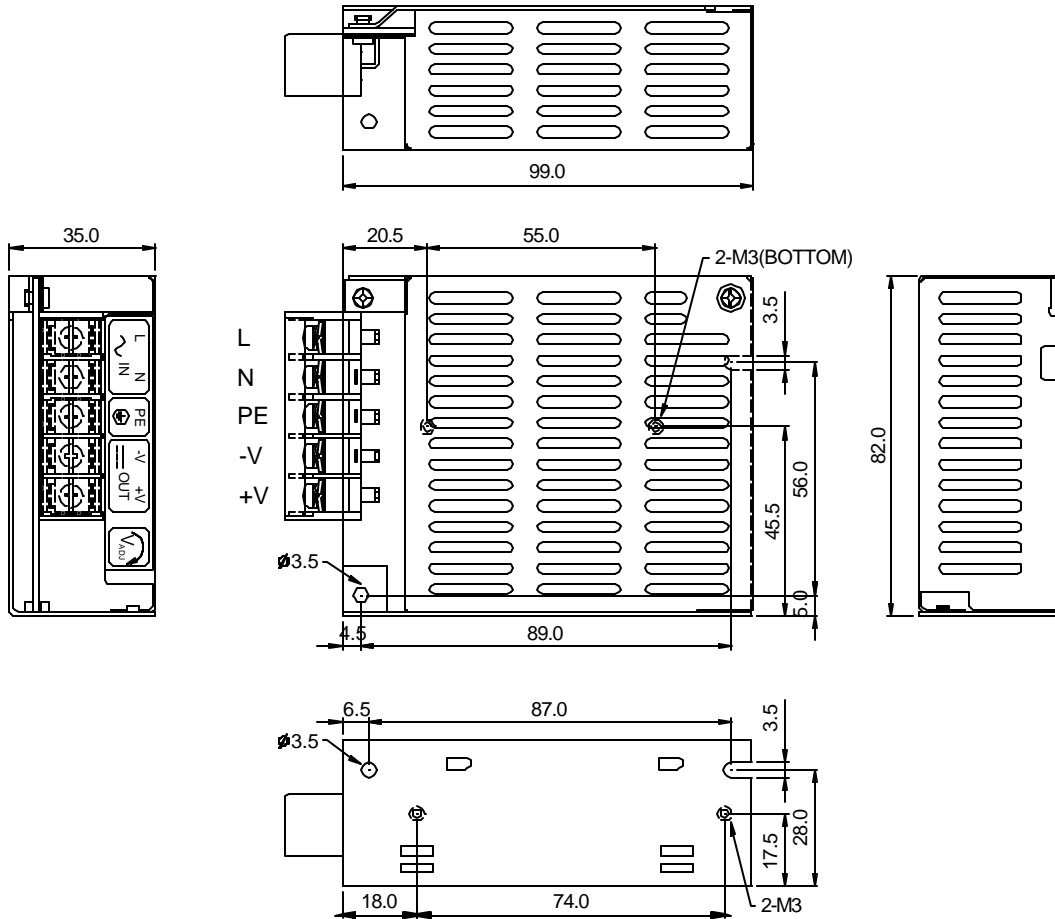
INPUT	Voltage	Universal full range 85 ~ 264 VAC or 120 ~ 375VDC.						
	Frequency	47 ~ 63 Hz or DC input.						
	Current	<1.6A@100V AC input.						
	Inrush Current	<30A@115V / <60A@230V AC input.						
	Leakage Current	<2mA@240V AC input						
OUTPUT	<b>MODEL</b>	<b>SPS-050-05</b>	<b>SPS-050-7.5</b>	<b>SPS-050-12</b>	<b>SPS-050-15</b>	<b>SPS-050-24</b>	<b>SPS-050-48</b>	
	Voltage	5V	7.5V	12V	15V	24V	48V	
	Max. Load	10A	6.7A	4.2A	3.4A	2.2A	1.1A	
	Regulation	2 %			1 %			
	Ripple Noise (MAX.)	50mV	75mV	120mV	150mV	240mV	480mV	
	Efficiency (TYP.)	78%	78%	81%	83%	84%	86%	
	Max. Output	50W	50.25W	50.4W	51W	52.8W	52.8W	
PROTECTION	Over Voltage Protection	+5.8 ~ 7.0 V	+8.6 ~ 10.5V	+13.8 ~ 17.5 V	+17.3 ~ 21V	+27.6 ~ 33.6V	+55.2 ~ 67.2V	
	Over Load Protection	Shutdown when load over 105% ~ 150% of rating, recovers automatically after fault condition has been removed.						
	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.						
OTHERS	Rise time	<20mS						
	Hold up time	>16.7mS@115V, >60mS@230V						
	Setup time (TYP.)	800mS @115V, 300mS @230V						
	Output Voltage Adjustment	10% of rated voltage						
	Cooling	Natural Cooling						
Environment	Temperature	Operating: -20~70 , De-rating: -10 ~ -25 :3.0%/ , 45 ~70 : 3.0%/ . Storage: -30~+75						
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)						
M.T.B.F.	435K hours							
SAFETY	UL 60950-1 <sup>st</sup> , CSA C22.2 No.60950-1 <sup>st</sup> , IEC 60950-1 <sup>st</sup> , EMKO-TSE(74-SEC)207/94 standard.							
EMC	EMI	EN 55022 CLASS B FCC CFR 47 PART 15 CLASS B CNS 13438 CLASS B.						
	EMS	EN 55024 EN 61000-4-2,3,4,5,6,8,11.						



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Dimension:

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NOTES:

- MODEL : S P S - 050 - XX  
 | | |  
 | | | OUTPUT VOLTAGE.  
 | | | OUTPUT WATTAGE  
 | | | S=ENCLOSED,U=U BRACKET,L=L BRACKET  
 INPUT : D=DC,P=AC
- MATERIAL : COVER S.P.C.C., NICKLE PLATED.  
 CHASSIS S.P.C.C., NICKLE PLATED.
- TERMINAL BLOCK : 5P, PITCH 9.5 mm WITH PC COVER.
- UNIT:mm.