



SUNPOWER TECHNOLOGY CORP.
16F-1, No.150, Jian Yi Rd., Chung Ho City, Taipei Hsien, Taiwan, R.O.C.
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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°C 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	MODEL	SPS-050-05	SPS-050-7.5	SPS-050-12	SPS-050-15	SPS-050-24	SPS-050-48
	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°C, De-rating: -10°C ~ -25°C:3.0%/°C, 45°C ~70°C : 3.0%/°C. Storage: -30~+75°C					
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)					
M.T.B.F.		435K hours					
SAFETY		UL 60950-1 st , CSA C22.2 No.60950-1 st , IEC 60950-1 st , 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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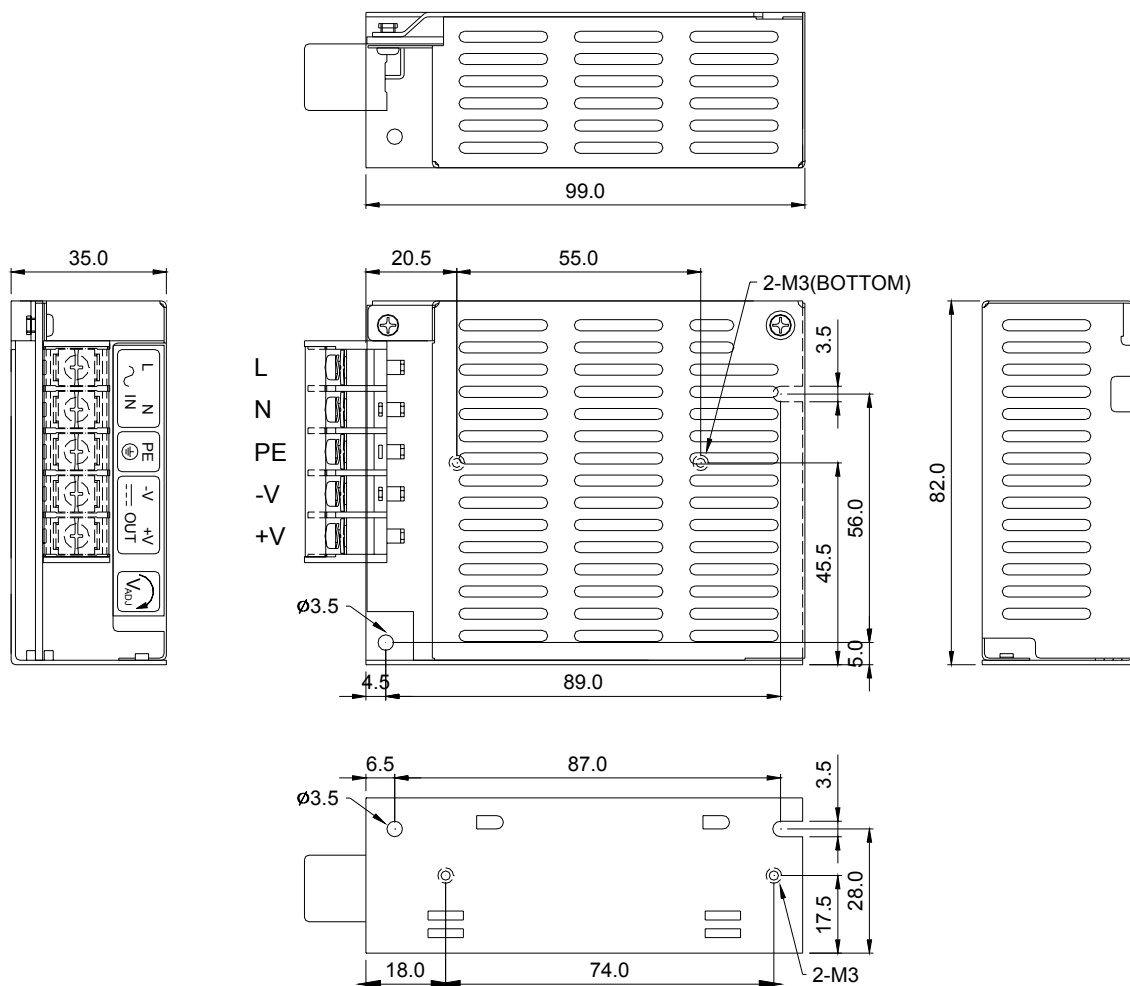
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Dimension:

SPS-050 Series



NOTES:

1. MODEL : S P S - 050 - XX

OUTPUT VOLTAGE.
OUTPUT WATTAGE
S=ENCLOSED,U=U BRACKET,L=L BRACKET
INPUT : D=DC,P=AC

2. MATERIAL : COVER S.P.C.C., NICKLE PLATED.

CHASSIS S.P.C.C., NICKLE PLATED.

3. TERMINAL BLOCK : 5P, PITCH 9.5 mm WITH PC COVER.

4.UNIT:mm.