



SUNPOWER TECHNOLOGY CORP.
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SPS-S060 Series

(Original model No. is SPS-050 and SPS-060)

60W, Single Output



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



(48V output with CE mark only)

Features:

- * Light weight, compact size
- * Green-mode designing, meet IEA standard<0.75W (standby state)
- * Over load, over voltage & short circuit protection
- * Output voltage $\pm 10\%$ adjustment
- * Built-in EMI filter, low ripple noise
- * 100% 50°C burn-in test
- * UL, cUL, CB, CE certified; meet TUV standard
- * 2 years warranty

Specification:

MODEL	SPS-S060-05	SPS-S060-7.5	SPS-S060-12	SPS-S060-15	SPS-S060-24	SPS-S060-48	
OUTPUT	Voltage	5V	7.5V	12V	15V	24V	48V
	Min. Load	0A					
	Max. Load	10A	6.7A	5A	4A	2.5A	1.25A
	Regulation	$\pm 2\%$	$\pm 2\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$
	Ripple Noise(MAX.)	50mV	75mV	120mV	150mV	240mV	480mV
	Efficiency (TPY.)	74%	75%	77%	78%	80%	80%
MAX OUTPUT WATTAGE		50W			60W		
INPUT	Voltage	Universal input 85~264 VAC or 120~375VDC					
	AC Frequency	47 ----- 63 Hz					
	Current	<1.8A@100V AC input, full load condition					
	Inrush Current	<30A@115V / <60A@230V AC input. Cold start at 25°C ambient					
	Leakage Current	<1.5mA@264V AC input					
PROTECTION	Short Circuit	Shutdown, recovers automatically after fault condition has been removed.					
	Over Load Protection	Shutdown when load over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.					
	Over Voltage	5.8V~7.0V	8.6V~10.5V	13.8V~17.5V	17.3V~21.0V	27.6V~33.6V	55.2V~67.2V
OTHERS	Setup time	Typically:800mS@115V, 300mS@230V, AC INPUT.					
	Rise time	<20mS					
	Hold up time	>16.7mS@115V, >60mS@230V					
	Cooling	Natural Cooling					
Green Mode Function	Input dissipation < 0.75W @ 0 loading						
Environment	Temperature	Operating: -25~70°C; Derating: -10°C ~ -25°C: 3.0%/°C / 45°C ~ 70°C: 3.0%/°C. Storage: -25 ~ +75°C					
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)					
M.T.B.F.	435K hours						
SAFETY	SPS-S060-05. SPS-S060-7.5. SPS-S060-12. SPS-S060-15. SPS-S060-24: UL 60950-1 st , CSA C22.2 No.60950-1 st approved. TUV EN 60950-1 st , IEC 60950-1 st , EMKO-TSE (74-SEC)207/94 standard.						
	SPS-S060-48: UL 60950-1 st , CSA C22.2 No.60950-1 st , TUV EN 60950-1 st , IEC 60950-1 st , EMKO-TSE(74-SEC)207/94 standard.						
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.					
	EMS	EN 50082-1 (1997)					
Packing	N.W.: 0.35Kg / 1 pc; 46pcs / 1.22Cu ft ³ / 1Ctn;						

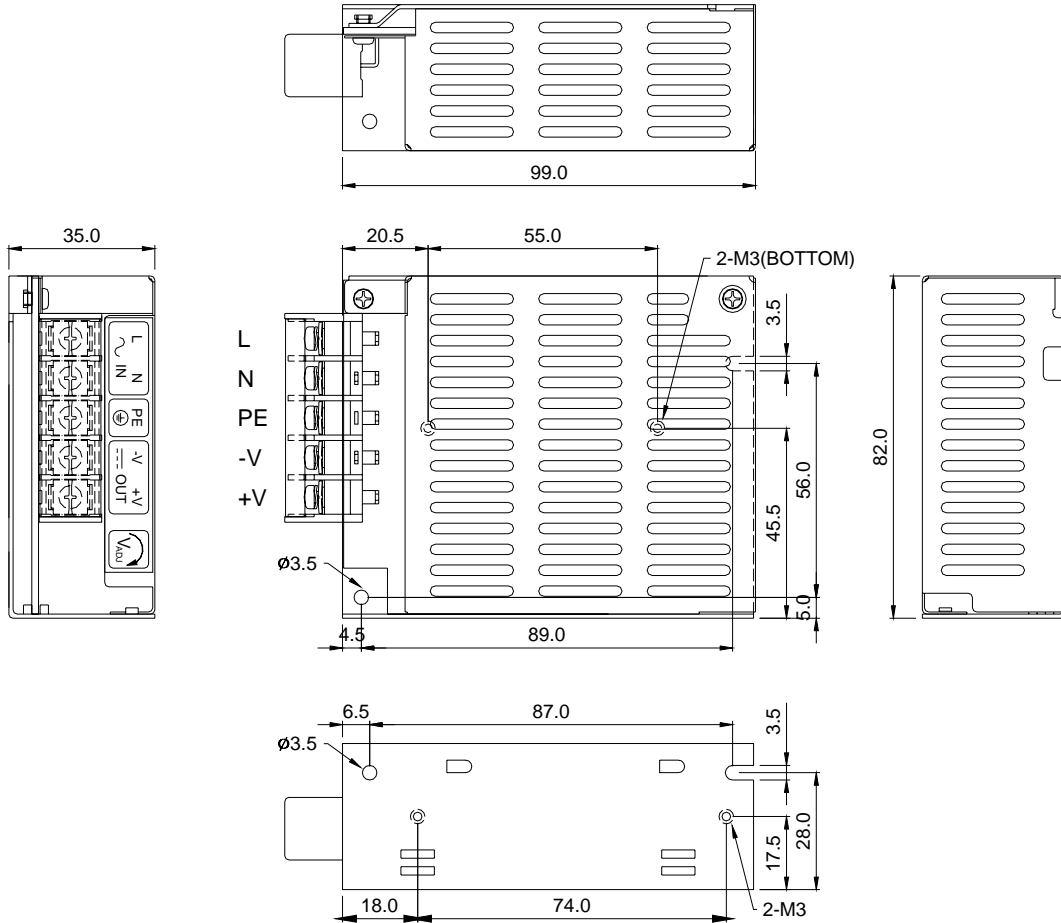


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Dimension:

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- NOTES:
- MODEL : S P S - S060 - XX
 INPUT : D=DC,P=AC
 S=ENCLOSED,U=U BRACKET,L=L BRACKET
 OUTPUT VOLTAGE.
 OUTPUT WATTAGE
 - 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.