



SUNPOWER TECHNOLOGY CORP.
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SPS-G075 Series

75W, Single Output
Green mode function



129 x 95 x 38 mm
 5.08 x 3.74 x 1.50 inch
CBCCE
 (pending)

Features:

- * Green-mode designing, NO load <0.5W
- * High efficiency and high reliability
- * Built in EMI filter, low ripple noise
- * Over load, over voltage, short circuit protection
- * Output voltage $\pm 10\%$ adjustment
- * 100% full load burn-in test
- * $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Operating temperature
- * UL, cUL, TUV, CB, CE standard
- * 3 years warranty

Specification:

INPUT	Voltage	88V ~ 264VAC or 125V ~ 375VDC Universal full range					
	Frequency	47 ----- 63 Hz					
	Current	<1.8A@100V AC input, full load condition					
	Inrush Current	<30A@115V , <50A@230V AC input, Cold start at 25°C ambient					
	Leakage Current	<1.5mA@264V AC input					
OUTPUT	MODEL No.	SPS-G075-05	SPS-G075-12	SPS-G075-15	SPS-G075-24	SPS-G075-30	SPS-G075-48
	Voltage	5V	12V	15V	24V	30V	48V
	Min. Load	0A	0A	0A	0A	0A	0A
	Max. Load	12A	6A	5A	3.2A	2.5A	1.6A
	Regulation	$\pm 2\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$
	Ripple Noise (MAX.)	70mV	120mV	150mV	150mV	200mV	200mV
	Efficiency (TYP.)	77%	82%	83%	84%	86%	86%
PROTECTION	Output (MAX)	60W	72W	75W	76.8W	75W	76.8W
	Over Voltage	5.8~7.0V	13.8~16.8V	17.3~21.0V	27.6~33.6V	34.5~42.0V	55.2~67.2V
		Shutdown, it need re-power on to recover					
	Over Load	Over 105%~ 150% of rating, recovers automatically after fault condition has been removed.					
ELEC. CHAR.	Short Circuit	Shutdown, recovers automatically after fault condition has been removed.					
	Rise time	<30mS					
	Hold up time	>60mS@230V, full load condition					
	Setup time	<1.2S@115V , <0.6S@230V					
	Green mode function	Power consumption at No load < 0.5W at 240VAC input					
ENVIRONMENT	Temperature	Operating: $-20 \sim +70^{\circ}\text{C}$; De-rating: $45 \sim 70^{\circ}\text{C}$: 2.5%/°C ; Storage: $-40 \sim +85^{\circ}\text{C}$					
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)					
SAFETY & EMC	Safety standard	UL 60950-1, CSA C22.2 No.60950-1, TUV EN 60950-1, IEC 60950-1, EMKO-TSE (74-SEC) 207/94 standard					
	Withstand voltage	I/P-O/P:3KVAC, I/P-PE:1.5KVAC, O/P-PE:0.5KVAC, 1minute					
	EMI	EN 55022 CLASS B , FCC CFR 47 PART 15 CLASS B, CNS 13438 CALSS B.					
	Harmonic current	EN61000-3-2,3 CLASS A					
OTHERS	EMS	EN 55024 : EN 61000-4-2,3,4,5,6,8,11					
	Cooling	Natural Cooling.					
	M.T.B.F.	326K hours					
	Terminal pitch	5P / 9.5mm with plastic cover, 90 deg terminal optional (with MOQ)					
	Packing	N.W.:0.5Kg / 1pc; 30pcs / 1.20Cu ft ³ / 1 CTN					

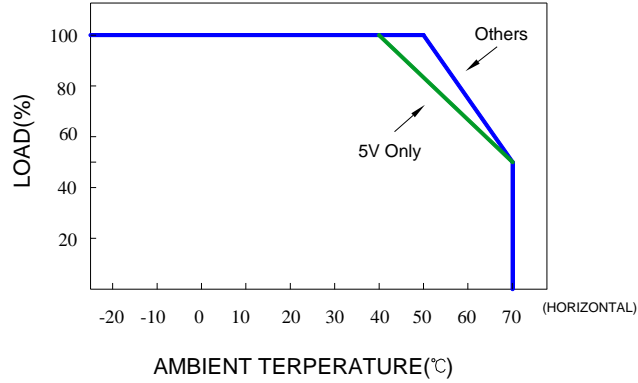
NOTE: ① All parameters not specially mentioned are measured at 230VAC input, max. output and 25°C ambient temperature.
 ② Ripple & noise are measured at 20MHz of bandwidth with parallel a 0.1uF & 47uF capacitor. Measure condition at 95~252VAC input / 0~50°C



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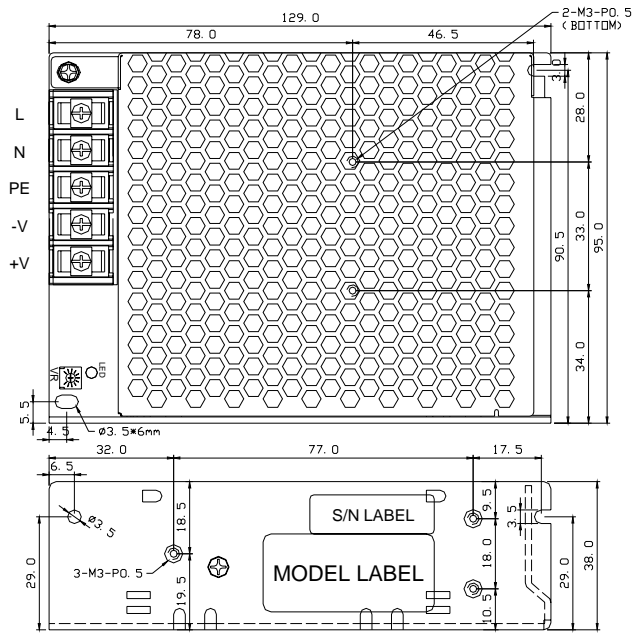
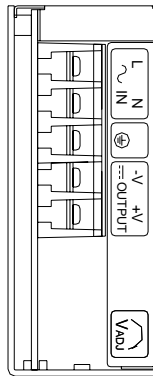
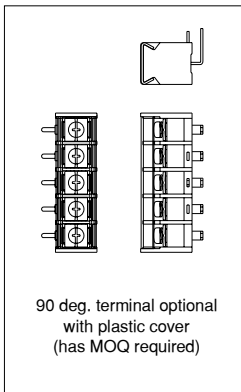
SPS-G075 Series

Derating Curve :



Dimension:

(Unit: mm)



NOTES:
 TERMINAL BLOCK: 5P, PITCH 9.5mm WITH PLASTIC COVER.