

**SUNPOWER TECHNOLOGY CORP.**

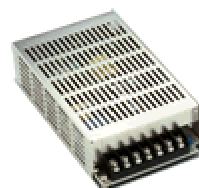
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SPS-075 Series

75W, Single Output

159 x 95 x 38mm
6.26 x 3.74 x 1.50inch**Features:**

- * 85V ~ 132 V or 170V ~ 264V Selected by switch
- * Built in EMI filter, low ripple noise
- * Over load, over voltage, short circuit protection
- * Output voltage $\pm 10\%$ adjustment
- * Non min load requirement
- * 100% 50°C burn-in test
- * Meet UL, cUL, TUV, CB, CE standard
- * 1 years warranty

Specification:

MODEL		SPS-075-3.3	SPS-075-05	SPS-075-7.5	SPS-075-10	SPS-075-12	SPS-075-15	SPS-075-18	SPS-075-24	SPS-075-28	SPS-075-48
OUTPUT	Voltage	3.3V	5V	7.5V	10V	12V	15V	18V	24V	28V	48V
	Min. Load	0A									
	Max. Load	18A	15A	10A	7.5A	6.3A	5.0A	4.2A	3.2A	2.7A	1.6A
	Regulation	$\pm 3\%$	$\pm 2\%$	$\pm 1\%$							
	Ripple Noise(max)	50mV		100mV		120mV	150mV	180mV	240mV	280mV	480mV
	Efficiency (typ)	70%	72%	73%	74%	75%	76%	77%	78%	79%	80%
INPUT	Voltage	85V ~ 132 V or 170V ~ 264V Selected by switch									
	Frequency	47 ~ 63 Hz									
	Current	<2A@115V AC input, <1A@230V AC input, full load condition									
	Inrush Current	<20A@115V / <40A@230V AC input, full load condition. Cold start at 25°C ambient									
	Leakage Current	<1.5mA@264V AC input									
PROTECTION	Over Load Protection	Over 105% ~ 150% of rating, recovers automatically after fault condition has been removed.									
	Over Voltage Protection	3.8V~4.6V	5.8V~7.0V	8.6V~10.5V	11.5~14.0V	13.8V~17.5V	17.3V~21.0V	20.7V~25.2V	27.6V~33.6V	32.2V~39.2V	55.2V~67.2V
	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.									
OTHERS	Setup time	-----									
	Rise time	<50mS									
	Hold up time	>20mS@230V									
	Cooling	Natural Cooling									
Environment	Temperature	Operating: 0~70°C; derating: 45°C ~70°C : 2.5%/°C. Storage: -10~+75°C									
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)									
M.T.B.F.		265K hours									
SAFETY		Meet UL 60950, CSA C22.2 No.60950, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94									
EMC	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.									
	EMS	EN 50082-1 (1997)									
PACKING		N.W.: 0.6Kg / 1pc; 30pcs / 1.18 Cu ft ³ / 1 CTN									



Technical drawing of the AC input unit, showing front, top, and side views with dimensions in mm.

Front View Dimensions:

- Overall width: 159.0
- Overall height: 95.0
- Top section height: 4.5
- Bottom section height: 32.0
- Left side height: 24.0
- Right side height: 55.0
- Terminal block height: 4.5
- Terminal block width: 22.0
- Terminal block pitch: 9.5
- Terminal block terminal pitch: 3.5
- Terminal block terminal diameter: $\phi 3.5$
- Terminal block terminal type: 3-M3-P0.5
- Terminal block terminal label: S/N
- Terminal block terminal label: LABEL
- Terminal block terminal label: 2-M3-P0.5 (BOTTOM)

Top View Dimensions:

- Overall width: 159.0
- Overall height: 95.0
- Terminal block width: 22.0
- Terminal block pitch: 9.5
- Terminal block terminal pitch: 3.5
- Terminal block terminal diameter: $\phi 3.5$
- Terminal block terminal type: 3-M3-P0.5
- Terminal block terminal label: S/N
- Terminal block terminal label: LABEL
- Terminal block terminal label: 2-M3-P0.5 (BOTTOM)

Side View Dimensions:

- Overall width: 159.0
- Overall height: 95.0
- Terminal block width: 22.0
- Terminal block pitch: 9.5
- Terminal block terminal pitch: 3.5
- Terminal block terminal diameter: $\phi 3.5$
- Terminal block terminal type: 3-M3-P0.5
- Terminal block terminal label: S/N
- Terminal block terminal label: LABEL
- Terminal block terminal label: 2-M3-P0.5 (BOTTOM)

Terminal Block Details:

- Terminal block type: 7P, PITCH 9.5 mm. (STANDARD)
- Terminal block terminal pitch: 9.5
- Terminal block terminal diameter: $\phi 3.5$
- Terminal block terminal type: 3-M3-P0.5
- Terminal block terminal label: S/N
- Terminal block terminal label: LABEL
- Terminal block terminal label: 2-M3-P0.5 (BOTTOM)