



SUNPOWER TECHNOLOGY CORP.
 33485 Western Ave., Union City, CA 94587, United States
 TEL: 510-489-5088 FAX: 510-489-8966
 http://www.sunpower-usa.com
 E-mail: sales@sunpower-usa.com

SPS-025 Series

25W, Single Output



UL US CB CE



79 x 50.8 x 28.5 mm
 3.1 x 2 x 1.12 inch

Features:

- * Ultra compact size, smaller than a pack of name card
- * Green-mode designing, meet IEA standard<0.75W (standby state)
- * Universal AC input
- * 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, TUV, CB, CE certified
- * 2 years warranty

Specification:

	MODEL	SPS-025-3.3	SPS-025-05	SPS-025-7.5	SPS-025-7.5F	
	OUTPUT	Voltage	3.3V	5V	7.5V	9V
Min. Load		0A	0A	0A	0A	
Max. Load		6.0A	5.0A	3.4A	2.8A	
Regulation		$\pm 3\%$	$\pm 2\%$	$\pm 1\%$	$\pm 1\%$	
Ripple Noise(max)		50mV	50mV	70mV	70mV	
OVP		3.8V~4.6V	5.8V~7.0V	8.6V~10.5V	10.3V~12.6V	
Efficiency (tpy)		65%	72%	75%	76%	
MAX OUTPUT		20W	25W	25W	25W	
MODEL		SPS-025-12	SPS-025-15	SPS-025-24	SPS-025-30	SPS-025-48
Voltage		12V	15V	24V	30V	48V
Min. Load	0A	0A	0A	0A	0A	
Max. Load	2.1A	1.7A	1.1A	0.9A	0.57A	
Regulation	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	
Ripple Noise(max)	120mV	150mV	200mV	200mV	200mV	
OVP	13.8V~17.5V	17.3V~21.0V	27.6V~33.6V	34.5V~42V	55.2V~67.2V	
Efficiency (tpy)	78%	78%	80%	80%	80%	
MAX OUTPUT	25W	25W	27W	27W	27W	
INPUT	Voltage	AC: 85V ~ 264V; DC: 120V ~ 375V Universal full range, single phase.				
	Frequency	47 ----- 63 Hz				
	Current	0.8A max at 100V AC input, full load condition				
	Inrush Current	<30A@115V / <50A@230V AC input, full load condition. Cold start at 25°C ambient				
	Leakage Current	<1.0mA@264V AC input				
PROTECTION	Short Circuit Protection	Shutdown, recovers automatically after fault condition has been removed.				
	Over Load Protection	Shutdown when load over 105% ~ 200% of rating, recovers automatically after fault condition has been removed.				
OTHERS	Setup time	$\leq 2.0S@115V$; $\leq 0.8S@230V$				
	Rise time	<20mS				
	Hold up time	>40mS@230V				
	Cooling	Natural Cooling				
	Output voltage protection	$\pm 10\%$ of rated voltage				
Green Mode Function	When zero loading, the input dissipation is below 0.75W.					
Environment	Temperature	Operating: -25~70°C; De-rating: -25°C ~ -10°C: 2.5%/°C / 50°C ~ 70°C : 2.5%/°C. Storage: -25 ~ 75°C				
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)				
M.T.B.F.	450K hours					
SAFETY	UL 60950, CSA C22.2 No.60950 3 rd , TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 approved					
	EMI	FCC CFR 47 PART 15 CLASS B, EN 50081-1, CNS 13438 CALSS B.				

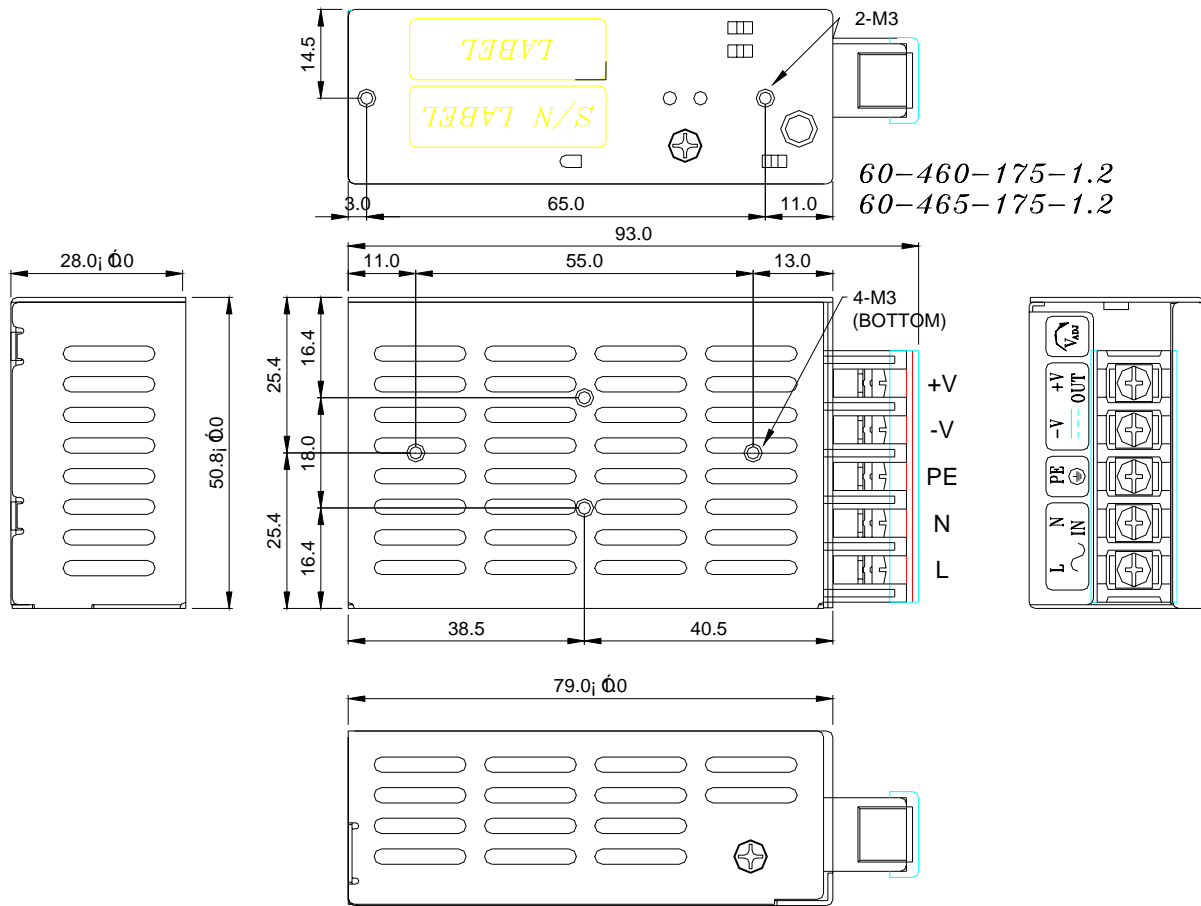


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EMS	EN 50082-1 (1997)
Packing	N.W.: 0.19Kg / 1 pc; 86pcs / 1.22Cu ft ³ / 1Ctn;

Dimension:

SPS-025 Series



1. TERMINAL BLOCK : 5P, PITCH 7.62 mm WITH PC COVER.
2. UNIT : mm.