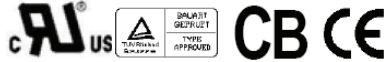


Country of Origin: Taiwan
 Operating Temperature: -25 °C to 70 °C
 Dimensions: 79 x 50.8 x 28.5 mm

Approvals / Marks:



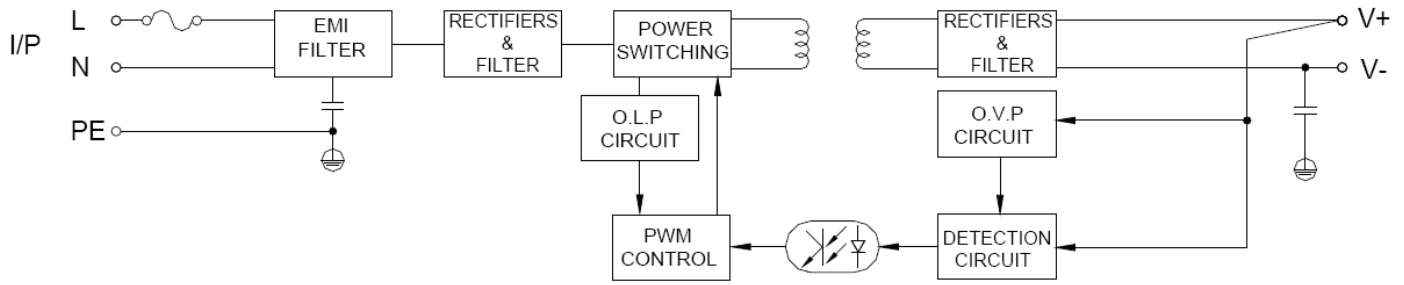
Features:

- * Green mode design, no load < 0.75W
- * Ultra compact size, smaller than a pack of name card
- * High reliability and high efficiency
- * Power ON with LED indicator
- * Built-in EMI filter, low ripple noise
- * Over voltage protection
- * Over load & short circuit protection
- * Output voltage $\pm 10\%$ adjustment
- * 100% full load burn-in test
- * -25°C~70°C Operating temperature
- * UL, cUL, TUV, CB, CE approved
- * 1 year warranty

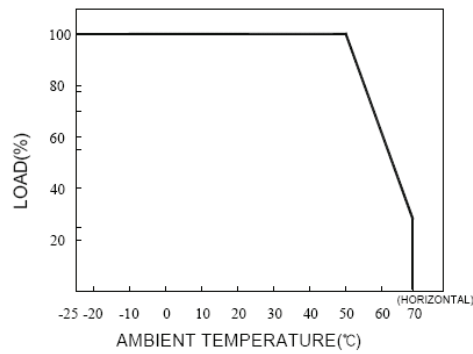
Specification:

INPUT	Voltage	85V ~ 264VAC universal full range or 120V ~ 375VDC.								
	Frequency	47 ----- 63 Hz								
	Current	<0.8A@100V AC input, full load condition								
	Inrush Current	<30A@115V , <50A@230V AC input, Cold start at 25°C ambient								
	Leakage Current	<0.5mA@264V AC input								
OUTPUT	MODEL No.	SPS-025-3.3	SPS-025-05	SPS-025-7.5	SPS-025-12	SPS-025-15	SPS-025-24	SPS-025-30	SPS-025-48	
	Voltage	3.3V	5V	7.5V	12V	15V	24V	30V	48V	
	Min Load	0A	0A	0A	0A	0A	0A	0A	0A	
	Max Load	6A	5A	3.4A	2.1A	1.7A	1.1A	0.9A	0.57A	
	Output Tolerance ②	$\pm 3\%$	$\pm 2\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	
	Ripple Noise MAX. ③	70mV	70mV	80mV	120mV	150mV	200mV	240mV	250mV	
	Efficiency (TYP.)	71%	75%	79%	82%	82%	85%	85%	85%	
Output MAX.	20W	25W	25W	25W	25W	27W	27W	27W		
PROTECTION	Over Voltage	3.8~4.6V	5.8~7.0V	8.6~10.5V	13.8~16.8V	17.3~21.0V	27.6~33.6V	34.5~42.0V	55.2~67.2V	
	Over Load & Short Circuit	Limiting voltage latch When power supply over 105%~ 200% max load or short circuit acted, power supply will go into hiccup mode and recover automatically after the fault is removed.								
ELEC. CHAR.	Rise time	<20mS								
	Hold up time	>40mS@230V, full load condition								
	Setup time	<1 Sec@100 ~ 240V AC								
	Green mode function	Power consumption at no load < 0.75W at 240VAC input								
ENVIRONMENT	Temperature ④	Operating: -25 ~ +70°C ; De-rating: 50 ~ 70°C : 2.5%/°C ; Storage: -40 ~ +85°C								
	Humidity	Operating: 20% ~ 90% RH (non condensing) ; Storage: 10% ~ 95% RH (non condensing)								
SAFETY	Withstand voltage	I/P-O/P:3KVAC, I/P-PE:1.5KVAC, O/P-PE:0.5KVAC, 1minute								
	Isolation resistance	I/P-O/P, I/P-PE, O/P-PE >100M Ω /500VDC at 25°C / 70% RH								
	Safety standard	UL 60950-1 1 st , CSA C22.2 No. 60950-1- 03 1 st , TUV EN 60950-1:2001+A11, IEC 60950-1, approved								
EMC	EMI	EN 55022 CLASS B · FCC CFR 47 PART 15 CLASS B · CNS 13438 CLASS B.								
	EMS	Compliance to EN61000-3-2 CLASS A, EN61000-3-3, EN 55024 : EN 61000-4-2,3,4,5,6,8,11								
OTHERS	Cooling	Natural cooling.								
	M.T.B.F.	475K hours								
	Terminal pitch	5P / 7.62mm with plastic cover								
	Packing	N.W.: 0.2Kg / 1pc; 80pcs/ 1.11 CUFT / 1 CTN								
NOTE	①	All measurements which not mentioned are based on 230VAC input, output Max at ambient 25°C / 70%RH								
	②	Output tolerance included set up voltage, line regulation and load regulation.								
	③	Ripple & noise are measured at 100~254VAC input with 0~50°C condition and 20MHz of bandwidth by using a 10" ~ 15" twisted pair-wire terminated with a 0.1uF & a 47uF parallel capacitor.								
	④	The operating temperature shall follow the de-rating curve in spec								
	⑤	The power supply is considered a component of end-equipment. The end-equipment must be re-confirmed whether comply with EMC directives.								

Block Diagram : US1

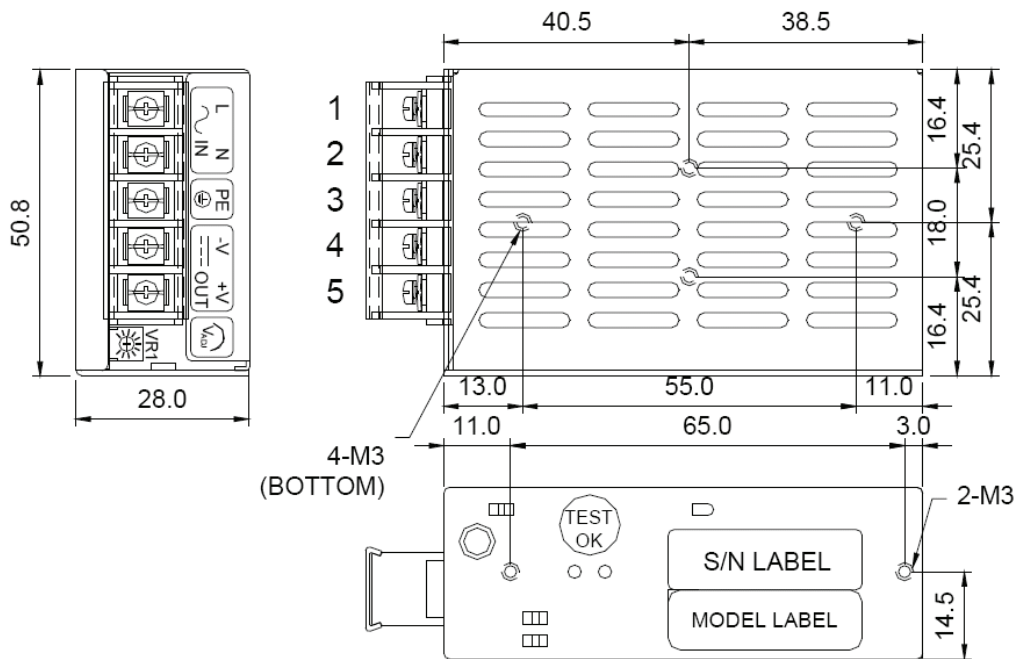


De-rating Curve :



Dimension:

(Unit: mm)



Terminal Pin. No Assignment: 5P, 7.62mm with plastic cover

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4	DC OUTPUT -V
2	AC/N	5	DC OUTPUT +V
3	PE		