

Country of Origin : Taiwan  
 Operating Temperature : -25 ~ 70° C  
 Dimension : 79 x 50.8 x 28.5 mm  
 Approvals / Marks : UL, c-UL, TÜV, CB, CE



### Features:

Universal AC input  
 Compact size  
 Green-mode designing, meets IEA standard < 0.75W (standby state)  
 Over load, over voltage & short circuit protection  
 Built-in EMI filter, low ripple noise  
 100% 50°C burn-in test  
 1 year warranty

### Specification:

MODEL		SPS-025-3.3	SPS-025-05	SPS-025-7.5	SPS-025-7.5F	SPS-025-12	SPS-025-15	SPS-025-24	SPS-025-30	SPS-025-48
OUTPUT	Voltage	3.3V	5V	7.5V	9V	12V	15V	24V	30V	48V
	min. Load	0A	0A	0A	0A	0A	0A	0A	0A	0A
	max. Load	6A	5A	3.4A	2.8A	2.1A	1.7A	1.1A	0.9A	0.57A
	Tolerance	±3%	±2%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
	Ripple & Noise (max)	50mV	50mV	70mV	70mV	150mV	200mV	200mV	200mV	200mV
	Efficiency (typ)	65%	72%	75%	76%	78%	78%	80%	80%	80%
Max. Output Power		20W	25W	25W	25W	25W	25W	26W	27W	27W
Output Voltage adjustment range		±10% of rated output voltage								
INPUT	Voltage	85 ~ 264VAC / 120 ~ 375VDC Universal full range, single phase								
	Frequency	47 ~ 63 Hz								
	Current	0.8A max at 100VAC input, full load condition								
	Inrush Current	<30A@115VAC / <50A@230VAC input, full load condition. Cold start at 25°C ambient								
	Leakage Current	<1.0mA@264VAC input								
	P.F.C.	-								
PROTECTION	Over Load	> 105% ~ 200% of rating, Shutdown, recovers automatically after fault has been removed								
	Over Voltage	3.8-4.6V	5.8-7.0V	8.6-10.5V	10.35-12.6V	13.8-17.5V	17.3-21.0V	27.6-33.6V	34.5-42V	55.2-67.2V
	Over Temp.	-								
	Short Circuit	Shutdown, recovers automatically after fault has been removed								
OTHERS	Setup time	< 800ms@230VAC / < 2s@115VAC								
	Rise time	< 20ms@230VAC								
	Holdup time	> 40ms@230VAC								
	Cooling	Natural Cooling								
	Withstand Voltage	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, O/P-FG:0.5KVAC / 1 minute								
	Green Mode Function	When load = 0A the input dissipation is below 0.75W								
Switching Frequency		50KHz (fixed)								
Environment	Temperature	Operating: -25 ~ 70°C / Derating: -25 ~ -10°C: 2.5%/°C, 50 ~ 70°C: 2.5%/°C / Storage: -25 ~ 75°C								
	Humidity	Operating: 20% ~ 85% RH (non condensing) / Storage: 10% ~ 95% RH (non condensing)								
M.T.B.F.		> 454K hours (according to MIL-HDBK-217F at 25°C environment)								
SAFETY	Approved:	UL 60950 3 <sup>rd</sup> edition: 2000 / CSA C22.2 No.60950 3 <sup>rd</sup> edition: 2000 / TÜV EN60950 : 2000								
		IEC 60950 : 1999 / EMKO-TSE (74-SEC)207/94 / CCC GB 4943: 2001								
EMC	EMI	FCC CFR 47 PART 15 CLASS B / CNS 13438 CLASS B / EN 61000-6-3: 2001 / EN55022: A2 CLASS B								
	EMS	EN61000-6-1: 2001 / EN61000-4-2,3,4,5,6,8,11								
WEIGHT		N.W.: 0.19 kg/pc								