

Country of Origin : Taiwan  
 Operating Temperature : -25 ~ 70° C  
 Dimension : 99 x 82 x 35 mm  
 Approvals / Marks : UL, CE



### Features:

Universal AC input  
 Light weight, 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  
 UL, c-UL, TÜV, CB, CE standard  
 1 year warranty

### Specification:

MODEL		SPS-050-05	SPS-060-12	SPS-060-15	SPS-060-24
OUTPUT	Voltage	5V	12V	15V	24V
	min. Load	0A	0A	0A	0A
	max. Load	10A	5A	4A	2.5A
	Tolerance	±3%	±1%	±1%	±1%
	Ripple & Noise (max)	50mV	120mV	150mV	240mV
	Efficiency (typ)	74%	77%	78%	80%
Max. Output Power		50W	60W	60W	60W
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	< 1.8A@100VAC input, full load condition			
	Inrush Current	< 30A@115VAC / <60A@230VAC input, full load condition. Cold start at 25°C ambient			
	Leakage Current	< 1.5mA@264VAC input			
	P.F.C.	-			
PROTECTION	Over Load	> 105% ~ 180% of rating, Shutdown, recovers automatically after fault has been removed			
	Over Voltage	+5V: 5.8~7.0V	+12V: 13.8~17.5V	+15V: 17.3~21.0V	+24V: 27.6~33.6V
	Over Temp.	-			
	Short Circuit	Shutdown, recovers automatically after fault has been removed			
OTHERS	Setup time	< 300ms@230VAC / < 800ms@115VAC , typical			
	Rise time	< 20ms@230VAC			
	Holdup time	> 60ms@230VAC / >16.7ms@115VAC			
	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	Input dissipation < 0.75W @ 0A load			
Switching Frequency		50KHz (fixed)			
Environment	Temperature	Operating: -25 ~ 70°C / Derating: -25 ~ -10°C: 3.0%/°C , 50 ~ 70°C: 3.0%/°C / Storage: -25 ~ 75°C			
	Humidity	Operating: 20% ~ 85% RH / Storage: 10% ~ 95% RH (non condensing)			
M.T.B.F.		> 435K hours ( according to MIL-HDBK-217F at 25°C environment)			
SAFETY		Approved: UL 60950 / meets: CSA C22.2 No.60950 / TÜV EN60950 / IEC 60950 / EMKO-TSE (74-SEC)207/94			
EMC	EMI	FCC CFR 47 PART 15 CLASS B / EN 50081-1 / CNS 13438 CLASS B			
	EMS	EN 50082-1 (1997) / EN61000-4-2,3,4,5,6,8,11			
WEIGHT		N.W.: 0.35 kg			