

Country of Origin : Taiwan  
 Operating Temperature : -10 ~ 70° C  
 Dimension : 159 x 95 x 38 mm  
 Approvals / Marks : UL, c-UL, TÜV, CB, CE



### Features:

Universal input 85 ~ 264VAC or 120 ~ 375VDC

Built in EMI filter, low ripple noise

Over load, over voltage, short circuit protection

Non min. load requirement

100% 50°C burn-in test

1 year warranty

### Specification:

MODEL		SPS-060-3.3	SPS-060-05	SPS-070-12	SPS-070-15	SPS-070-15M	SPS-070-24	SPS-070-24Q	SPS-070-48
OUTPUT	Voltage	3.3V	5V	12V	15V	18V	24V	28V	48V
	min. Load	0A	0A	0A	0A	0A	0A	0A	0A
	max. Load	15A	12A	6A	4.8A	4A	3A	2.6A	1.5A
	Tolerance	±3%	±2%	±1%	±1%	±1%	±1%	±1%	±1%
	Ripple & Noise (max)	50mV	50mV	120mV	150mV	180mV	240mV	280mV	300mV
	Efficiency (typ)	67%	73%	75%	76%	77%	78%	79%	80%
Max. Output Power		49.5W	60W	72W	72W	72W	72W	72W	72W
Output Voltage adjustment range		±10% of rated output voltage							
INPUT	Voltage	85 ~ 264VAC / 120 ~ 375VDC Universal full range							
	Frequency	47 ~ 63 Hz							
	Current	1.8A max at 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, auto recovery after fault has been removed							
	Over Voltage	3.8-4.6V	5.8-7.0V	13.8-17.5V	17.3-21V	20.7-25.2V	27.6-33.6V	32.2-39.2V	55.2-67.2V
	Over Temp.	-							
	Short Circuit	Shutdown, recovers automatically after fault has been removed							
OTHERS	Setup time	< 1s@230VAC / < 3s@115VAC							
	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							
Switching Frequency		50KHz (fixed)							
Environment	Temperature	Operating: -10 ~ 70°C / Derating: 45 ~ 70°C : 2.0%/°C / Storage: -20 ~ 75°C							
	Humidity	Operating: 20% ~ 85% RH / Storage: 10% ~ 95% RH (non condensing)							
M.T.B.F.		> 300K hours ( according to MIL-HDBK-217F at 25°C environment)							
SAFETY		Approved: UL 1950 / CSA C22.2 No.950-95 / 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.: 0.6 kg							