

# SPS 060P / 070P Single

# 60/70W

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  
 Power Factor Correction  
 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-060P-3.3	SPS-060P-05	SPS-070P-12	SPS-070P-15	SPS-070P-24	SPS-070P-24Q	SPS-070P-48
OUTPUT	Voltage	3.3V	5V	12V	15V	24V	28V	48V
	min. Load	0A	0A	0A	0A	0A	0A	0A
	max. Load	15A	12A	6A	4.8A	3A	2.6A	1.5A
	Tolerance	±3%	±2%	±1%	±1%	±1%	±1%	±1%
	Ripple & Noise (max)	50mV	50mV	120mV	150mV	240mV	280mV	300mV
	Efficiency (typ)	67%	73%	75%	76%	78%	79%	80%
Max. Output Power		49.5W	60W	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.	meets IEC 1000-3-2 class A standard						
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	27.6~33.6V	32.2~39.2V	55.2~67.2V
	Over Temp.	-						
	Short Circuit	Shutdown, recovers automatically after f 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.		> 355K 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						