

SPS 070P

Single

70W

Country of Origin : Taiwan
 Operating Temperature : -10 ~ 70° C
 Dimension : 159 x 95 x 38 mm

Approvals / Marks : 



Features:

Universal input 85 ~ 264VAC or 120 ~ 375VDC

Power Factor Correction 72W single output optional

Non minimum load requirement

Overload, over voltage, short circuit protection

Built in EMI filter, low ripple noise

Also available with DIN-Rail fitting {see SPS070PDR}

100% 50°C burn-in test

1 year warranty

Specification:

MODEL		SPS070-3.3	SPS070-05	SPS070-12	SPS070-15	SPS070-24	SPS070-48
		SPS070P*-3.3	SPS070P*-05	SPS070P*-12	SPS070P*-15	SPS070P*-24	SPS070P*-48
OUTPUT	Voltage	3.3V	05V	12V	15V	24V	48V
	min. Load	0A	0A	0A	0A	0A	0A
	max. Load	15A	12A	6A	4.8A	3A	1.5A
	Tolerance	±3%	±2%	±1%	±1%	±1%	±1%
	Ripple & Noise (max)	70mV	700mV	120mV	150mV	200mV	250mV
	Efficiency (typ)	74%	77%	82%	83%	84%	86%
Max. Output Power		50W	60W	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	<1.0mA@264VAC input					
	*P.F.C.	72W single output optional					
PROTECTION	Overload	> 105% ~ 150% of rating, Shutdown, auto recovery after fault has been removed					
	Over Voltage	3.8 ~ 4.6V	5.8 ~ 7.0V	13.8 ~ 16.8V	17.3 ~ 21.0V	27.6 ~ 33.6V	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					
	DIN-Rail fitting	Optional (with fitting for DIN-Rail) { see SPS070PDR }					
Switching Frequency		50KHz (fixed)					
Environment	Temperature	Operating: -10 ~ 70°C / Derating: 42 ~ 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 at 25°C					
SAFETY	Approved:	UL 60950-1-1 st , CSA C22.2 No. 60950-1-03 1 st , TÜV EN 60950-1:2001+A11, IEC 60950-1					
EMC	EMI	EN 55022 CLASS B / FCC CFR 47 Part 15 Class B / CNS 13438 Class B Compliance to EN 61000-3-2 CLASS A, EN 61000-3-3, *SPS 070P-xx models are built-in PFC choke to lower 25% THD (Total Harmonic Distortion) performance					
	EMS	EN 55024 : EN 61000-4-2,3,4,5,6,8,11					
WEIGHT		N.W.: 0.6 kg					

