

SPS 230P

Single

230W



Country of Origin : Taiwan
 Operating Temperature : 10 ~ 70° C
 Dimension : 198 x 99 x 50 mm
 Approvals / Marks : UL, c-UL, TÜV, CB, CE

Features:

Universal AC input with active Power Factor Correction
 Built in EMI filter, low ripple noise
 Over load, over voltage & short circuit protection
 Over temperature protection (Optional)
 Remote Control ON/OFF (Optional)
 Non minimum load requirement
 100% 50°C burn-in tested
 1 year warranty
 Also available with constant current limiting -> see SPS230PC

Specification:

MODEL		SPS 230P-3.3	SPS 230P-05	SPS 230P-7.5	SPS 230P-12	SPS 230P-15	SPS 230P-24	SPS 230P-27	SPS 230P-48
OUTPUT	Voltage	3.3V	5V	7.5V	12V	15V	24V	27V	48V
	min. Load	0A	0A	0A	0A	0A	0A	0A	0A
	max. Load	40A	40A	30.7A	19.2A	15.4A	9.6A	8.6A	4.8A
	Tolerance	±3%	±2%	±2%	±1%	±1%	±1%	±1%	±1%
	R & Noise (max)	50mV	70mV	80mV	100mV	120mV	150mV	180mV	250mV
	Efficiency (typ)	69%	75%	77%	80%	80%	83%	84%	84%
Max. Power		132W	200W	230W	230W	230W	230W	230W	230W
Output Voltage adjust. range		±10% of rated output voltage							
INPUT	Voltage	85 ~ 264VAC / 120~ 375VDC Universal full range							
	Frequency	47 ~ 63 Hz							
	Current	< 3.2A @ 100VAC input, full load condition							
	Inrush Current	< 40A@115VAC / <80A@230VAC input, full load condition. Cold start at 25°C ambient							
	Leakage	<1.5mA@264VAC input							
	P.F.C.	> 0.95@230VAC / meets IEC 1000-3-2 class D							
PROTECTION	Overload	Over 105% ~ 180% of rating, recovers automatically after fault has been removed							
	Over Voltage	3.8-4.6V	5.8-7V	8.6-10.5V	13.8-17.5V	17.3-21V	27.6-33.6V	31.1-37.8V	55.2-67.2V
	Over Temp.	Optional (>95°C, Shutdown)							
	Short Circuit	Shutdown, recovers automatically after fault has been removed							
OTHERS	Rise time	<20ms@230VAC							
	Holdup time	>20ms@230VAC							
	Cooling	A 14CFM (min.) DC ball bearing fan							
	Remote On/Off	Optional (RC+ / RC- : Power ON : 0 ~ 0.7V / Power OFF : 3 ~ 5V / Sink Current : 3 ~ 10mA)							
Switching Frequency		50KHz (fixed)							
Environment	Temperature	Operating: 10 ~ 70°C / Derating: 50 ~ 70°C : 2.5%/°C / Storage: -10 ~ 75°C							
	Humidity	Operating: 20% ~ 85% RH (non condensing) / Storage: 10% ~ 95% RH (non condensing)							
M.T.B.F.		>210K hours (according to MIL-HDBK-217F at 25°C environment)							
SAFETY	Approved :	UL 60950 3 rd edition (2000) / CSA C22.2 No.60950 3 rd edition (2000) / TÜV EN60950 (2000) / IEC 60950 (1999) / EMKO-TSE (74-SEC)207/94							
EMC	EMI	EN55022 A2 (2003) Class B limit / EN61000-3-2 (2000) Class D / EN61000-3-3 A1 (1995 +A1 2003) / FCC CFR 47 Part 15 Subpart J Class B limit / CNS 13438 Class B							
	EMS	EN50082 / EN61000-4-2,3,4,5,6,8,11							
WEIGHT		N.W.: 1 kg							