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SPS-230P Series

230W, Single Output

Active P.F.C Function



198 x 99 x 50 mm
7.80 x 3.90 x 1.97 inch



Features:

- * Universal AC input with active power factor correction, P.F.>0.95
- * Built in EMI filter, low ripple noise
- * Over load, over voltage protection
- * short circuit protection and Auto recovery
- * Output voltage $\pm 10\%$ adjustment
- * Over temperature protection (Optional)
- * Remote Control ON/OFF (Optional)
- * 100% 50°C burn-in test
- * UL, cUL, TUV, ,CB, CE approved
- * 3 years warranty

Specification:

INPUT	Voltage	85V~ 264V AC or 120V ~ 375V DC, universal full range			
	Frequency	47 ----- 63 Hz			
	Current	<3.2A@100V AC input, full load condition			
	Inrush Current	<40A@115V AC / <80A@230V AC input, full load condition. Cold start at 25℃ ambient			
	Leakage Current	<1.5mA@264V AC input			
OUTPUT	MODEL	SPS-230P-3.3	SPS-230P-05	SPS-230P-7.5	SPS-230P-12
	Voltage	3.3V	5V	7.5V	12V
	Min. Load	0A			
	Max. Load	40A	40A	30.7A	19.2A
	Regulation	±3%	±2%	±2%	±1%
	Ripple & Noise (MAX.)	50mV	70mV	80mV	100mV
	OVP	+3.8~4.6V	+5.8~7.0V	+8.6~10.5V	+13.8~17.5V
	Efficiency (MIN.)	69%	75%	77%	80%
	Max. Power	132W	200W	230W	
	MODEL	SPS-230P-15	SPS-230P-24	SPS-230P-27	SPS-230P-48
	Voltage	15V	24V	27V	48V
	Min. Load	0A	0A	0A	0A
	Max. Load	15.4A	9.6A	8.6A	4.8A
	Regulation	±1%	±1%	±1%	±1%
	Ripple & Noise (MAX.)	120mV	150mV	180mV	250mV
	OVP	+17.3~21V	+27.6~33.6V	+31.1~37.8V	+55.2~67.2V
	Efficiency (MIN.)	80%	83%	84%	84%
	Max. Power	230W			
Protection	Over Voltage Protection	✓			
	Over Load Protection	Over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.			
	Short Circuit Protection	Shutdown and recovers automatically after fault condition has been removed.			
	Over Temperature	Optional.			
Others	Rise time	<20mS			
	Hold up time	>20mS@230V			
	Remote Control	Optional			
	Cooling	Built-in a 14CFM (min.) DC ball bearing Fan.			
Environment	Temperature	Operating: -10~70℃; De-rating: 50℃ ~70℃ : 2.5%/℃. Storage: -10~+75℃			
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)			
M.T.B.F.	210K hours				
SAFETY	UL 60950, CSA C22.2 No.60950, TUV EN 60950, IEC 60950, EMKO-TSE (74-SEC)207/94 approved. CCC GB 4943 Standard.				
EMC	EMI	EN 55022 CLASS B : EN 61000-3-2,3、FCC CFR 47 PART 15 CLASS B、CNS 13438 CLASS B.			
	EMS	EN 55024 : EN 61000-4-2,3,4,5,6,8,11.			



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