



Features :

- ✓ Universal AC input / Full range
- ✓ Built in active PFC function
- ✓ Protection: Short circuit/Over load/Over voltage/Over temperature
- ✓ Cooling by free air convection
- ✓ Can be installed on DIN rail TS-35/7.5 or 15
- ✓ UL 508(industrial control equipment)approved
- ✓ LED indicator for power on
- ✓ 100% full load burn-in test
- ✓ Fixed switching frequency at 100KHz
- ✓ Available in 24V and 48V DC Outputs

Model		PSP-240-24	PS-240-48
Output	DC Voltage	24V	48V
	Rated Current	10A	5A
	Current Range	0 – 10A	0 – 5A
	Rated Power	240W	240W
	Ripple & Noise (max) *Note 2	80mVp-p	150mVp-p
	Voltage Adj. Range	24 – 28V	48 – 53V
	Voltage Tolerance *Note 3	± 1.0%	± 1.0%
	Line regulation	± 0.5%	± 0.5%
	Load Regulation	± 1.0%	± 1.0%
	Setup, Rise Time	800ms, 40ms/230VAC	800ms, 40ms/115VAC at full load
Hold Time (typ.)	24ms/230VAC	24ms/115VAC at full load	
Input	Voltage Range	88 – 264VAC	120 – 370VAC
	Frequency Range	47 – 63Hz	
	Efficiency (typ.)	84%	85%
	AC Current (typ.)	0.96A/230VAC	0.99A/115VAC
	Inrush Current (typ.)	Cold Start 27A/115VAC	45A/230VAC
Leakage Current	<3.5mA/240VAC		
Protection	Over Load	105 – 160% rated output power Protection Type : Constant current limiting, recovers automatically after fault condition is removed	
	Over Voltage	30 – 36V	54 – 60V
	Over Temperature	100 Deg C ± 5 Deg C (TSW1) Detected on heat sink of power transistor Protection Type : Shut down output voltage, recovers automatically when temperature goes down	
Environ – ment	Working Temp	-10 to +70 Deg C (Output de-rates as temperature increases beyond limits)	
	Working Humidity	20 to 90% RH non-condensing	
	Storage Temp / Humidity	-20 to +85 Deg C, 10 – 95% RH	
	Temp. Coefficient	±0.03% / Deg C (0 – 50 deg C)	
Safety & EMC *Note 4	Vibration	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes	
	Safety Standards	UL508, UL60950-1, TUV EN60950-1 Approved	
	Withstand Voltage	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC	
	EMI Conduction & Radiation	Compliance to EN55011,EN55022 (CISPR22) Class B	
Others	Harmonic Current	Compliance to EN61000-3-2,-3	
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) Heavy industry level, criteria A	
Notes	MTBF	105.5Khrs min. MIL-HDBK-217F (25)	
	Dimensions	125.5*125.2*100mm (W*H*D)	
	Packing	1.2Kg; 12pcs/15.5Kg/1.2CUFT	
<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 Deg C ambient temperature</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitors</p> <p>3. Tolerance: includes set up tolerance, line regulation and load regulation</p> <p>4. The power supply is considered a component which will be installed into end equipment. The end equipment must still meet EMC directives</p> <p>5. De-rating may be needed under low input voltages</p>			