



Features :

- ✓ AC input range selectable by switch
- ✓ 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 55KHz
- ✓ 3 year warranty
- ✓ Available in 12V, 24V and 48V DC Outputs

Model	PS-120-12	PS-120-24	PS-120-48	
Output	DC Voltage	12V	24V	48V
	Rated Current	10A	5A	2.5A
	Current Range	0 – 10A	0 – 5A	0 – 2.5A
	Rated Power	120W	120W	120W
	Ripple & Noise (max) *Note 2	80mVp-p	80mVp-p	100mVp-p
	Voltage Adj. Range	12 – 14V	24 – 28V	48 – 53V
	Voltage Tolerance *Note 3	± 2.0%	± 1.0%	± 1.0%
	Line regulation	± 0.5%	± 0.5%	± 0.5%
	Load Regulation	± 1.0%	± 1.0%	± 1.0%
	Setup, Rise Time	500ms, 70ms/230VAC 500ms, 70ms/115VAC at full load		
Hold Time (typ.)	36ms/230VAC 32ms/115VAC at full load			
Input	Voltage Range	88 – 132VAC / 176 – 264VAC by switch		248 – 370VAC
	Frequency Range	47 – 63Hz		
	Efficiency (typ.)	80%	84%	85%
	AC Current (typ.)	2.6A/115VAC		1.6A/230VAC
	Inrush Current (typ.)	Cold Start 20A/115VAC		40A/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	15 – 16.5V	29 – 34V	58 – 65V
	Over Temperature	85 DegC ± 5 DegC(TSW1)	90 DegC ± 5 DegC(TSW1)	90 DegC ± 5 DegC(TSW1)
Environ – ment	Working Temp	-10 to +60 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)		
	Vibration	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
Safety & EMC *Note 4	Safety Standards	UL508, 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		
	Harmonic Current	Compliance to EN61000-3-2,-3		
Others	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		
	MTBF	136.8Khrs min. MIL-HDBK-217F (25)		
	Dimensions	65.5*125.2*100mm (W*H*D)		
Notes	Packing	0.79Kg; 20pcs/16.5Kg/1.1CUFT		
		1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 Deg C ambient temperature 2. Ripple & noise are measured at 20MHz of bandwidth using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitors 3. Tolerance: includes set up tolerance, line regulation and load regulation 4. The power supply is considered a component which will be installed into end equipment. The end equipment must still meet EMC directives		