



**Features :**

- ✓ Universal AC input/Full range
- ✓ Protection (Short circuit/Over load/Over voltage)
- ✓ Cooling by free air convection
- ✓ Built in 'DC OK' active signal
- ✓ Can be installed on DIN rail TS-35/7.5 or 15
- ✓ LED power 'on' indicator
- ✓ 100% full load burn-in test
- ✓ No load power consumption <0.75W
- ✓ 3 year warranty
- ✓ Available in 5V, 12V, 15V and 24V DC Outputs

Model	MPS-20-5	MPS-20-12	MPS-20-15	MPS-20-24	
<b>Output</b>	DC Voltage	5V	12V	15V	24V
	Rated Current	3A	1.67A	1.34A	1A
	Current Range	0 – 3A	0 – 1.67A	0 – 1.34A	0 – 1A
	Rated Power	15W	20W	20W	24W
	Ripple & Noise (max) *Note 2	80mVp-p	120mVp-p	120mVp-p	150mVp-p
	Voltage Adj. Range	4.75 – 5.5V	10.8 – 13.2V	13.5 – 16.5V	21.6 – 26.4V
	Voltage Tolerance *Note 3	± 2.0%	± 1.0%	± 1.0%	± 1.0%
	Line regulation	± 1.0%	± 1.0%	± 1.0%	± 1.0%
	Load Regulation	± 1.0%	± 1.0%	± 1.0%	± 1.0%
	Setup, Rise Time	500ms, 30ms/230VAC    1000ms, 30ms/115VAC at full load			
Hold Time (typ.)	50ms/230VAC    20ms/115VAC at full load				
<b>Input</b>	Voltage Range	85 – 264VAC		120 – 370VAC	
	Frequency Range	47 – 63Hz			
	Efficiency (typ.)	76%	80%	81%	84%
	AC Current (typ.)	0.55A/115VAC		0.35A/230VAC	
	Inrush Current (typ.)	Cold Start 20A/115VAC		40A/230VAC	
Leakage Current	<1mA / 240VAC				
<b>Protection</b>	Over Load	105 – 160% rated output power Protection Type : Constant current limiting, recovers automatically after fault condition is removed			
	Over Voltage	5.75 – 6.75V	13.8 – 16.2V	17.25 – 20.25V	27.6 – 32.4V
<b>Function</b>	DC OK Active Signal (typ.)	3.75V-6V/50mA	9-13.5V/40mA	11.5-16.5V/40mA	18-27V/20mA
<b>Environ - ment</b>	Working Temp	-20 to +70 Deg C (Output de-rates as temperature increases beyond limits)			
	Working Humidity	20 to 90% RH non-condensing			
	Storage Temp / Humidity	-40 to +85 Deg C, 10 – 95% RH			
	Temp. Coefficient	±0.03% / Deg C (0 – 50 deg C)			
<b>Safety &amp; EMC</b> *Note 4	Vibration	Component: 10 – 500Hz, 2G 10min/1 cycle, 60 min each along X, Y, Z axis's; Mounting: Compliance to IEC60068-2-6			
	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				
EMS Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-1,EN61204-3 Light industry level, criteria A				
<b>Others</b>	MTBF	236.9K hrs min.    MIL-HDBK-217F (25 )			
	Dimensions	22.5*90*100mm (W*H*D)			
	Packing	0.19Kg; 72pcs/14.7Kg/0.97CUFT			
<b>Notes</b>	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 Deg C ambient temperature</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth using a 12" twisted pair-wire terminated with 0.1uf &amp; 47uf parallel capacitors</li> <li>3. Tolerance: includes set up tolerance, line regulation and load regulation</li> <li>4. The power supply is considered a component which will be installed into end equipment. The end equipment must still meet EMC directives</li> <li>5. Length of set up time is measured at cold first start. Cycling power to the power supply may lead to increased set up times</li> </ol>				