

### Features :

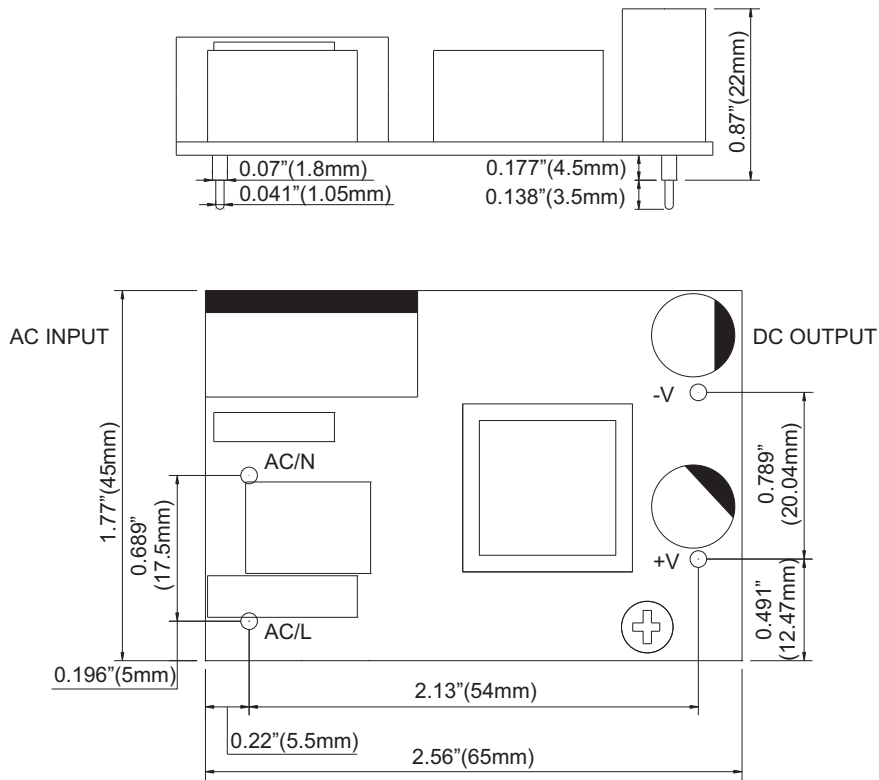
- Green design, No-load power consumption < 0.3W
- Universal AC input / Full range
- Protections: Short circuit / Over load / Over voltage  
Brown-out ( Low AC Input voltage )
- Medical safety approved
- Isolation class II
- All using 105°C long life electrolytic capacitors
- High operation temperature up to 70°C
- 100% full load burn-in test
- Withstand 2G vibration test
- Cooling by free air convection
- 3 years warranty



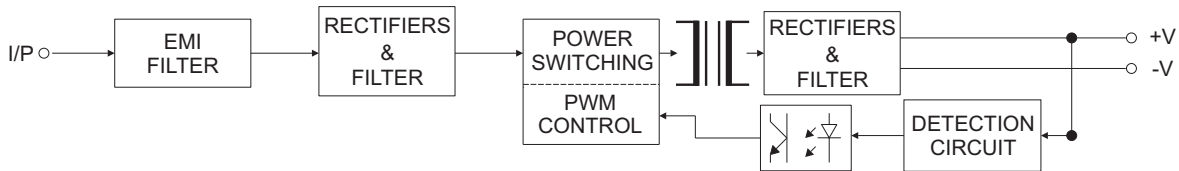
MODEL		MP-10-05	MP-10-12	MP-10-15	MP-10-24
OUTPUT	DC Voltage Range	5V	12V	15V	24V
	Rated Current	2A	0.83A	0.66A	0.42A
	Current Range	0 ~ 2A	0 ~ 0.83A	0 ~ 0.66A	0 ~ 0.42A
	Rated Power	10W	9.96W	9.9W	10.08W
	Ripple & Noise (max.)	80 mv	150 mv	150 mv	240 mv
	Voltage Adjustment Range	±10%			
	Voltage Tolerance	±2%	±1%	±1%	±1%
	Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation	±1%	±0.5%	±0.5%	±0.5%
Setup, Rise Time	100ms, 25ms/230VAC 100ms, 25ms/115VAC at full load				
Hold Time	100ms / 230VAC 25ms / 115VAC at full load				
INPUT	Voltage Range	85V ~ 264VAC 125 ~ 373VDC			
	Frequency Range	47Hz ~ 63Hz			
	Efficiency (Typ.) at 230Vac	77%	79%	80%	82%
	AC Current (Typ.)	0.25 A / 115VAC 0.15A / 230VAC			
Inrush Current (Typ.)	Cold Start 25A / 115VAC 45A / 230VAC				
Protection	Over Load	Above 110% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed			
	Over Voltage	115% ~ 145% rated output voltage Protection type : latch-off mode			
Environemt	Working Temp.	-20°C ~ 70°C (Refer to output load de-rating curve)			
	Working Humidity	20 ~ 90% RH non-condensing			
	Storage Temp., Humidity	-40 ~ +85°C , 10 ~95% R.H			
	Temp.Coefficient	±0.03%/°C (0 ~ 50°C)			
	Vibration	10 ~ 500Hz, 2G 10min/1cycle, period for 60 min each along X,Y,Z axes			
Safety & EMC	Safety Standards	UL60601-1 / TUV EN60601-1 / IEC60601-1 Approved			
	Green Energy	ENERGY STAR® Single Voltage External AC – DC and AC – AC Power Supplies Eligibility Criteria ( Version 1.1 )			
	Withstand Voltage	I/P - O/P: 4KVAC			
	Isolation Resistance	I/P - O/P : 100M Ohms / 500VDC			
	EMI Conduction & Radiation	EN55011 : 2007+A2 : 2007 Class B			
	Harmonic Current	EN61000-3-2 : 2006 Class A, EN61000-3-3 : 1995+A1 :2005			
EMS Immunity	EN61000-4-2,3,4,5,6,8,11 EN60601-1-2 : 2001+A1 : 2006 Life-Supporting Equipment				
Others	MTBF	210.2K HRS Compliance: MIL-HDBK-217F			
	Dimension (L*W*H)(mm)	65x45x22			
	Packing	0.045kg ; 120Pcs/5.4kg			
Note	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance: includes set up tolerance, line regulation and load regulation.</li> <li>4. Line regulation is measured from low line to high line at rated load.</li> <li>5. Load regulation is measured from 0% to 100% rated load.</li> <li>6. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</li> <li>7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time</li> </ol>				

### Mechanical Specification

Unit:inch(mm)



### Block Diagram



### De-rating Curve

