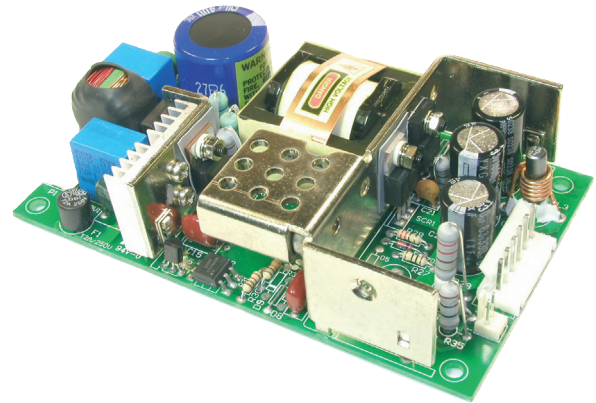


# PM66 Series

51-65 WATTS SINGLE OUTPUT AC/DC MEDICAL

## Features

- **Low safety ground leakage current.**
- **Wide input range 90 to 264Vac.**
- **Input surge current protection.**
- **Overvoltage protection.**
- **Overcurrent protection.**
- **Compact, open PCB construction.**
- **100% burn-in at full rated load.**



## Specifications

### INPUT

Input Voltage	90–264Vac wide input
Frequency	47Hz–67Hz
Input Current	1.6A (rms) for 115Vac. 1.0A (rms) for 230Vac.
Leakage current	90µA max. @ 115Vac. 60Hz. 150µA max. @ 230Vac. 50Hz.
Isolation	Input – Output: 4000VAC Input – Ground: 1500VAC Output – Ground: 500VAC
Inrush Current	17A @ 115V, 40A @ 230V

### OUTPUT

Output Voltage	See table
Output Voltage Adjustment	V1 ±10%
Output Current	See table
Ripple & Noise	1% peak to peak
Line Regulation	±0.5% maximum at full load.
Load Regulation	See table
Transient Response	Max. deviation 4% recovering to 1% within 500µs after 25% load charge
Overvoltage Protection	Provided on V1 only. Set at 110%–132% of nominal
Overcurrent Protection	All outputs protected for short circuit conditions
Temperature Coefficient	All outputs ±0.04% per °C
Holdup Time	Typically 10mS at 110VAC

### OPERATING

MTBF	400,000 hrs @ 25°C
Efficiency	66%–75%

### ENVIRONMENTAL

Operating Temperature	0°C to 70°C
Derating	Derate to 50% at 70°C
Storage Temperature	-40°C to 85°C
Relative Humidity	5%–95% non-condensing

### STANDARDS AND APPROVALS

Safety standards	UL2601-1, CSA C22.2, TUV EN60601-1
C-Tick	AS/NZS CISPR11 Group 1, Class A
EMC standards	EN60601-1-2: 2001, EN61000-3-2, -3, EN61000-4-2, -3, -4, -5, -6, -8, -11
EMI standards	EN55011 Class B, FCC Class B, VCCI Class B

### MECHANICAL

Dimensions	127x76.2x31.6mm
Weight	330grams.

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51-65 WATTS SINGLE OUTPUT AC/DC MEDICAL

## Selection Table

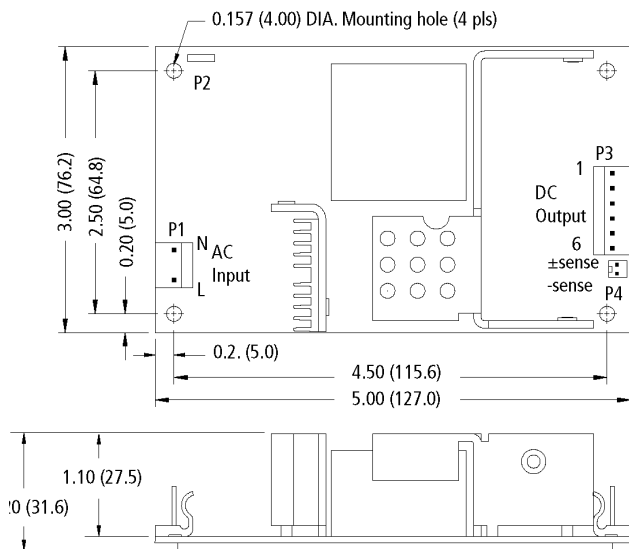
MODEL NUMBER	VNOM	OUTPUT #1			MAX.
		IMIN	IMAX	TOL	OUTPUT POWER
PM66-10A	5.1V	0A	10.0A	3%	51W
PM66-12A	12V	0A	5.5A	2%	65W
PM66-13A	15V	0A	4.4A	2%	65W
PM66-13-1A	18V	0A	3.7A	2%	65W
PM66-14A	24V	0A	2.8A	2%	65W
PM66-15A	28V	0A	2.4A	2%	65W

NOTES: Ripple and noise: Peak to Peak with 20 MHz bandwidth and 10 $\mu$ F in parallel with a 0.1 $\mu$ F capacitor at rated line voltage and load ranges.

## Pin Chart

MODEL/PIN	P1		P2	P3						P4	
	1	2	1	1	2	3	4	5	6	1	2
PM66-10A PM66-13A PM66-14A PM66-12A PM66-13-1A PM66-15A	AC Live	AC Neutral	AC Ground	Output 1	Output 1	Output 1	Return	Return	Return	+Sense	-Sense

## Technical Illustration



### NOTES

1. Dimensions shown in inches (mm)
2. Tolerance 0.02 (0.5) max
3. Input connector mates with Molex housing 09-50-3031 and Molex 2878 series crimp terminal
4. Output connector mates with Molex housing 09-50-3061 and Molex 2878 series crimp terminal
5. P4 is for  $\pm$ sense connector mates with Molex housing 22-01-1023 and Molex 40445 series crimp terminal
6. Weight: 330 grams (PCB format)