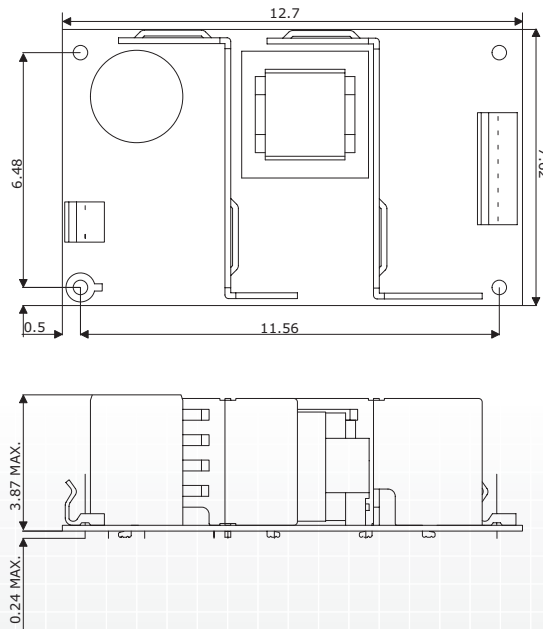


# MPM-9561

60W Open Frame Power Supply for Medical Class

Industrial Power Supply

Medical Class



## FEATURES

- \***Input Voltage:** 85~264VAC
- \***Input Frequency:** 47~63Hz at AC input
- \***Input Current:** 2A at 115VAC or 1.5A at 230VAC max.
- \***Inrush Current:** The maximum inrush current will not exceed 30A at 115VAC or 60A at 230VAC input, cold start, 25°C
- \***Load Range:** The adjustable range of +5V output is around 4.5~5.8V. At factory, the +5V output is set to between 4.95~5.05V at 60% rated load, and +/-12V are checked to be within the specified voltage accuracy range. The peak load cannot exceed 5 sec.
- \***Ripple And Noise:** The peak to peak ripple and noise for +5V output is less 50mV for +/-12V output are less than 100 mV. Measuring is done by 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF capacitor
- \***Line Regulation:** The line regulation for each output is less than +/-1% while measuring at rated load and +/-10% of the input changing
- \***Load Regulation:** The load regulation for +5V is less than +/-1%, for +/-12V is less than +/-5%, measured is done by changing the measured output load +/-40% from 60% rated load, and keep all other output at 60% rated load
- \***Hold Up Time:** The hold up time is longer than 16mS at 115VAC input and rated load, which is measured from the end of the last charging pulse to when the main output drops down to 95%output voltage
- \***Efficiency:** The efficiency is higher than 75% typical while measuring at nominal line and rated load
- \***Protection:** For some reasons the power supply fails to control itself, the build-in over voltage protection circuit will shut down the outputs to prevent damaging to external circuits. The trip point of crowbar circuit is around 5.8V to 7V for output voltage. The power supply will go into latch off mode against short circuit or over load conditio
- \***Dimensions:** 7.62 x 12.7 x 3.87 cm

## SAFETY STANDARDS

- \***Safety:** UL 544 / UL 2601-1 / CSA 22.2 No. 601-1 / TUV (DIN. VDE 0750T. 1/12.91/EN60601-1L 1990)
- \***GND Leakage Current:** It should be less 100uA at 244VAC input
- \***EMI:** FCC docket 20780 curve B / EN55011 B / EN61000-3-2
- \***EMS:** IEC-801-2 8KV air discharge criteria B / IEC-801-3 3V/M / IEC-801-4 0.5KV

Output Voltage	Min. Load	Rated Load	Max. Load	Voltage Accuracy
+5V	0A	5A	8A	4.95~5.05V
+12V	0A	2.3A	3.5A	11.4~12.6V
-12V	0A	0.5A	----	-11.4~-12.6V