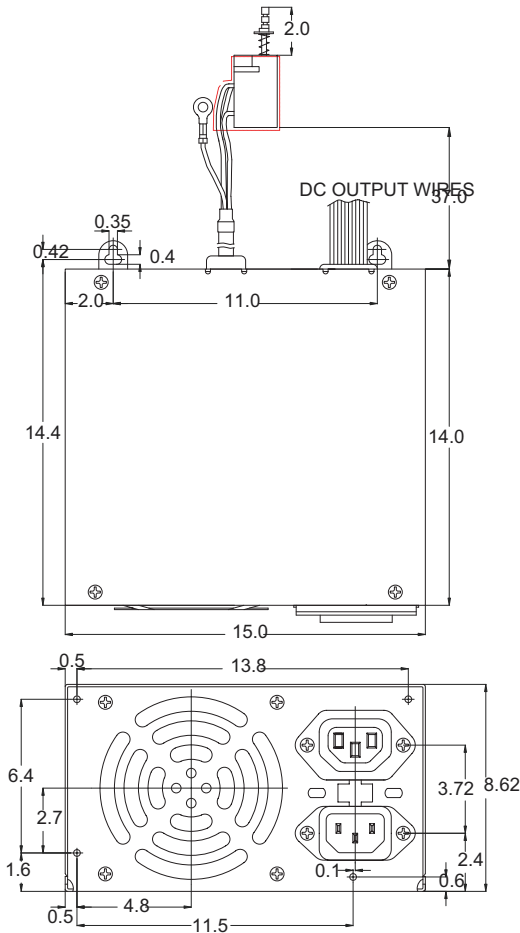


Power Supply

MPM-925C

250W PS/2 Power Supply



Output Voltage	Min. Load	Rated Load	Peak Load	Voltage Accuracy
+5V	4A	22A	28A	4.9~5.1V
+12V	1A	7A	10A	11.28~12.72V
-12V	0A	0.5A	1A	-11.4~-12.6V
-5V	0A	0.5A	1A	-4.75~-5.25V

★ Specifications

- * **Input Voltage:** 90~264VAC
- * **Input Frequency:** 47~63Hz
- * **Inrush Current:** The maximum inrush current will not exceed 30A at 115VAC or 60A at 230VAC input, cold start, 25°C
- * **Load Range:** At factory, all outputs at 60% rated load condition; the +5V output is set to between 4.9~5.1V. The other outputs are checked to be within the specified voltage accuracy range
- * **Ripple And Noise:** The peak to peak ripple and noise for each output is less than 1% of each output voltage at rated load, 115/230VAC. Measuring is done by 15MHz bandwidth limited oscilloscope and terminated each output with a 47uF capacitor
- * **Line Regulation:** The line regulation for +12V is less than +/-2%, for other output is less than +/-1% while measuring at rated load and +/-10% of nominal line input voltage changing
- * **Load Regulation:** The output voltage load regulation is less than the values in the following table by changing each output loading +/-40% from 60% rated load, and keep all other outputs at 60% rated load
- * **Hold Up Time:** Hold up time is 14ms typical by measuring from the last AC line charging pulse to the point that +5V drop down to +4.75V at rated load
- * **Output Power:** The total DC continuous power shall be kept within 200W
- * **Power Good Signal:** When power start up, the power good signal will increase 100~500ms after all output DC voltages are within regulation limits
- * **Power Failure Signal:** The power fail signal will fall at least 1ms before any of the output voltages lower than the regulation limits
- * **Efficiency:** The efficiency is 65% typical by measuring at nominal line, and full rated load
- * **Protection:** For some reason the power supply fails to control itself, the build-in over voltage protection circuit will shut down the outputs to prevent damaging external circuits. The trip point of crowbar circuit is around 5.7~7V. The power supply will go into hiccup mode against short circuit or over load conditions, and will auto-recovery while faulty conditions are removed
- * **Temperature:** 0~40°C (operating); -40~+75°C (storage)
- * **Connectors:**
AC Input: Meets IEC 320/CEE 22 standard
DC Output: Meet IEC 320 (reverse type)
CPU Board: Burndy GTC 6P-1 or equivalent
Disk Driver: AMP 1-480424-0 or equivalent
3.5" Floppy Drive: AMP 171822-4 or equivalent
AC Switch: Push switch (lever: 20mm)
- * **Dimensions:** 15.0 x 14.0 x 8.62 cm. Tolerance specified is +/-0.4mm between mounting holes and +/-0.8mm for other dimensions

Safety Standards

- * **Safety:** UL 544, UL 2601-1, CSA 22.2 No.601, TUV (DIN VDE 075T, 1/12.91/EN 60 601-1:1990)
- * **GND Leakage Current:** It should be less 500uA at 244VAC input
- * **EMI:** EN 55011 class "B"
- * **Immunity:** IEC-801-2 4KV, contact, 8KV air discharge / IEC-801-3 3V/M, 26MHz to 1GH / IEC-801-4 2KV power mains

The Industrial PC Authority



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