Medical / Industrial AC-DC Power Supply
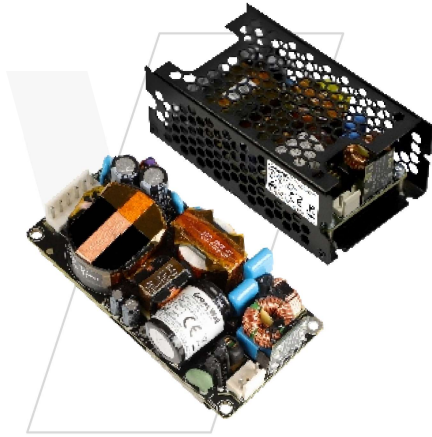# MPO200 Series

Highlights and Features

- Up to 200W Convection Cooling
- Compact 2"x4"x1.12"Low Profile
- Medical and ITE Approvals
- Class B Conducted and Radiated EMI
- Type BF Medical Equipment, 2 x MOPP
- Class I and Class II Installations
- Standby Power < 0.5W Typical
- High Efficiency Up to 95 %
- Up to 70 °C Ambient Operation

Safety Certifications

- IEC/EN/ES60601-1 TUV Certifications and CB Report
- IEC/EN/UL62368-1 CB Report
- CE Mark ((LVD, EMC and RoHS Directive)
- Complies with IEC60601-1-2 4 Ed
- EN 55011/EN 55032, Class B

General Description

The MPO200 is ideal for applications where high efficiency, high reliability, low cost and low profile are needed, such as infusion pump, blood pressure or body temperature meter, nebulizer, endoscopy equipment, ECG machine, medical computer monitors, etc. Packed in the industry standard 2"x4" footprint, the MPO200 can deliver up to 200W with convection cooling. With IEC60601-1 & IEC62368-1 certifications, the unit can be used in both Medical and ITE applications with either Class I & Class II (no ground wire) installations.

Model List

Model	Input Voltage (Vac)	Nominal Output Voltage (V)	Max. Current (A)	Max. Power (W)	Peak Power (W)
MPO200A12J	90 - 264	12	16.67	200	--
MPO200A24J	90 - 264	24	8.33	200	--
MPO200A48J	90 - 264	48	4.17	200	--

Model Name

MPO	200	A	24	J		AAA
MP: Medical Power Supply O: Open Frame	Max. Wattage in Product Series 200: 200W	Family Code A: Standard E: Enclosed	Output Voltage 24: 24V	Inlet Type J: JST Connector	Blank	Revision Control Code AAA: Standard

Environment

Surrounding Air Temperature	Operating	Absolute maximum/minimum rating -20℃ to +70℃. Derating from 100% load at 50℃ to 50% load at 70℃.
Storage		-40℃ to +85℃
Operating Humidity		5-95 % RH (Non-condensing)
Operating Altitude		Up to 5,000 meters
Shock Test (Non-Operating)		50G, 11ms, 3 shocks for each direction
Vibration (Non-Operating)		5- 500 Hz, 2Grms, 15 minutes for each three axes
Cooling		Convection cooling or forced air

All parameters are specified at 25°C ambient unless otherwise noted.Mar.2025,Rev.02