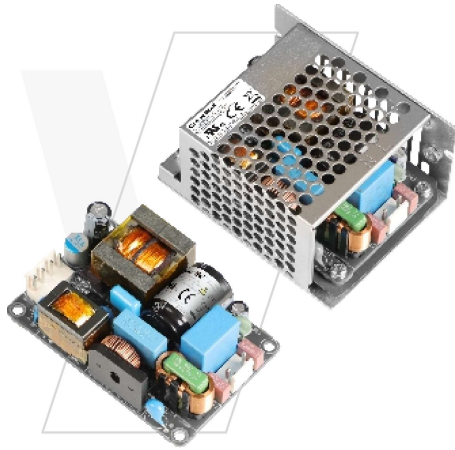


TECHNICAL DATASHEET  
Medical / Industrial AC-DC Power Supply  
**MPO130 Series**



#### Highlights and Features

- Up to 130W Convection Cooling
- Compact 2"x3"x1" 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
- No Load Power Consumption < 0.3W Typical
- High Efficiency Up to 95%
- Up to 70°C Ambient Operation

#### Safety Certifications

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

#### General Description

The MPO130 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, oral irrigator, medical monitors, etc. Packed in the industry standard 2"x3" size, the MPO130 can deliver up to 130W 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)
MPO130A12J	85 - 264	12	10.83	130	150
MPO130A15J	85 - 264	15	8.67	130	150
MPO130A19J	85 - 264	19	6.84	130	150
MPO130A24J	85 - 264	24	5.41	130	150
MPO130A48J	85 - 264	48	2.71	130	150

#### Model Name

MPO	130	A	24	J		AAA
MP: Medical Power Supply O: Open Frame	Max. Convection Cooling Wattage in Product Series 130: 130W	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°C to +70°C. Derating from 100% load at 50°C to 50% load at 70°C.
Storage		-40°C to +85°C
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