

# MP03002 Series

240 Watt Medical Desktop  
Power Supply

# PHASIUM

BY MEGMEET

Medical Power Specialists



Full-featured while maintain a small foot print delivers reliability, efficiency and benefits all in one low-cost single DC output U-Channel 300W fan-less AC/DC converter. Ideal for products that run 24 hours, 7 days a week, this high efficiency Class I constructed power supply meets Class B EMI limits while design delivering high current and meeting all the latest international safety and EMC requirements.

## Key Features

- Medical 60601-1 Safety Approvals
- Small 6.69 x 3.86 x 1.57" U-Frame Package
- Full Load Convection Cooled Operation up to 40°C
- High Efficiency - 90% typical at full load
- Remote Sense Compensation
- Universal AC Input with Active PFC
- EN55011 / FCC Part 15J Class B Emissions
- 3 Year Warranty



EKG Monitor



Oxygen Concentrator



Test Equipment



Patient Ventilator

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Models	Main Output Voltage	Output Current (convection)	Ripple & Noise (Max)	Peak Current
MP03002-12V	12V	16.6A	120mV	18.0A
MP03002-24V	24V	10.0A	200mV	11.0A
MP03002-48V	48V	5.0A	300mV	5.5A

#### Technical Highlights

<b>Input Voltage</b>	90-264 VAC (Universal)	<b>Efficiency</b>	90% typical at 115/230 VAC, full load
<b>Leakage Current</b>	<300μA @ 264VAC	<b>Operating Temperature</b>	0°C ~ +40°C (convection cooled)
<b>Output Voltage</b>	See Table	<b>Protection</b>	Internal T5A / 250V Fuse (Line & Neutral)
<b>Line Regulation</b>	±0.5%	<b>Isolation</b>	Input to Output 4000 VAC Input to Ground 1500 VAC
<b>Load Regulation</b>	±1%	<b>MTBF</b>	200K Hours, Mil-217F at 25 °C, full load

Note: Product specifications are subject to change without prior notice.

