

PHASIUM

BY MEGMEET
Medical Power Specialists

MP300 Series 300 Watt Medical Power Supply

The MP300 is a Rugged, High Efficiency, Convection Cooled AC/DC for Mission Critical Applications



MP300 Series

Key Features

- Medical 60601-1 Safety Approvals
- Small 6.00 x 3.94 x 1.54" U-Frame
- Class I Construction
- Remote On/Off, Power Fail
- 5VSD @ 500mA Output
- High Efficiency >90%
- EN55011 / FCC Part 15J Class B Emissions
- 3-year Warranty
- Universal AC Input with Active PFC



Medical Laser Systems



Ventilation Equipment



Imaging systems



Industrial Processing Equipment

| Models | Main Output Voltage | Output Current | Peak Current | Ripple & Noise (Max) |
|-----------------|---------------------|----------------|--------------|----------------------|
| MP300-12 | 12V | 22.5A | 25.0A | 120mV |
| MP300-19 | 19V | 15.8A | 18.4A | 190mV |
| MP300-24 | 24V | 12.5A | 14.6A | 240mV |
| MP300-28 | 28V | 10.7A | 12.5A | 280mV |
| MP300-36 | 36V | 8.3A | 9.7A | 360mV |
| MP300-48 | 48V | 6.25A | 7.3A | 480mV |

Technical Highlights

| | | | |
|------------------------|------------------------|------------------------------|---|
| Input Voltage | 90-264 VAC (Universal) | Efficiency | 93% typical at 115/230 VAC, full load |
| Leakage Current | <100µA @ 264VAC | Operating Temperature | -10°C ~ +40°C |
| Output Voltage | See table above | Protection | Internal T5A/ 250V Fuse (Line & Neutral) |
| Line Regulation | ±0.5% | Isolation | Input to Output: 4000 VAC, 2xMOPP Input to Ground (Class I): 1500 VAC, 1xMOPP Output to Ground (Class II): 1500 VAC, 1xMOPP |
| Load Regulation | ±2% | MTBF | 300K Hours, Mil-217F at 25°C, full load |

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

