



## Medical Power Supply MEP Series

High-Efficiency 500 W Model  
for Type BF Medical Equipment



High Power  
Density



2 × MOPP



-30°C to 85°C  
Temp

### Medical Power Supplies

## Delta Unveils High-Efficiency 500 W MEP Series Medical Power Supply in 3" x 5" Compact Design

Delta launches the MEP-500A, a high-performance 500 W model, as an addition to its open frame medical power supply MEP Series. The MEP-500A is specifically designed for medical applications with limited space, such as IVD equipment, operating beds, endoscopes, ultrasound machines, and ventilators.

The model provides an outstanding power density of up to 25.64 W/in<sup>3</sup> and 95% efficiency in a compact 3" x 5" footprint, optimizing performance and reducing installation space. Crafted for flexibility and reliability, the MEP-500A offers output voltage options of 12 V, 18 V, 24 V, and 48 V, reliably operating within -30°C to +85°C operating temperature. Its 5V/2A standby power capability advances efficiency and lowers operational costs.

Demonstrating high operational quality, it delivers 500 W with fan cooling and 300 W with natural convection cooling. To support enhanced control and monitoring, the power supply also features remote sensing to compensate for voltage drops in wiring, as well as remote on/off capabilities for user-friendly system management and diagnostics.

The MEP-500A is equipped with 2 x MOPP isolation, fulfilling the strict requirements for type BF medical equipment to ensure protection for both patients and operators. It is certified to IEC/EN/UL safety standards for medical, IT, and household use. Additionally, it complies with the EN 55032 Class B standard, minimizing electromagnetic interference and thus guaranteeing a reliable operation for sensitive medical devices.

## Product Information

### Open Frame > MEP Series 500 W



MEP-500A12J BRA	12 V / 41.7 A <a href="https://deltapsu.com/en/products/open-frame-power-supply/MEP-500A12J BRA">https://deltapsu.com/en/products/open-frame-power-supply/MEP-500A12J BRA</a>
MEP-500A18J BRA	18 V / 27.8 A <a href="https://deltapsu.com/en/products/open-frame-power-supply/MEP-500A18J BRA">https://deltapsu.com/en/products/open-frame-power-supply/MEP-500A18J BRA</a>
MEP-500A24J BRA	24 V / 20.9 A <a href="https://deltapsu.com/en/products/open-frame-power-supply/MEP-500A24J BRA">https://deltapsu.com/en/products/open-frame-power-supply/MEP-500A24J BRA</a>
MEP-500A48J BRA	48 V / 10.5 A <a href="https://deltapsu.com/en/products/open-frame-power-supply/MEP-500A48J BRA">https://deltapsu.com/en/products/open-frame-power-supply/MEP-500A48J BRA</a>

- Please contact your [local sales representative](#) for product availability. Alternatively, you may [leave us a message](#) and our sales representative shall get back to you.

## Features

- 3" x 5" x 1.3" with base
- Up to 25.64 W/inch<sup>3</sup> power density
- Up to 500 W output with fan cooling and 300 W output with natural convection cooling
- 5 V / 2 A standby output
- Built-in remote on/off function
- Remote sense voltage compensation
- Voltage trimming
- Up to 85°C operating temperature
- 2 x MOPP isolation
- Class B conducted and radiated EMI
- Medical, IT and household appliances safety approvals

## Applications



In Vitro Diagnostic (IVD)



Operating Bed



Endoscope



Ultrasound Machine