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Delta Introduces 24V 300W 3" x 5" 1U Power Supply for Medical Applications



Highlights & Features

- 24V 240W convection (300W with 10CFM air)
- US & Canada (cURus), CB, and TUV Medical Approvals
- US & Canada (cURus), CB, and GB (China) ITE Approvals
- Universal input (90-264Vac), Class B EMI, -10 to +70°C
- EMC 4th Ed., LVD/EMC CE with RoHS directives
- For type BF Medical & Non-Medical products

Dimensions (W x L x H)

- **MDS-300APB24 (Open frame):** 76.2 x 127 x 35.6mm (3" x 5" x 1.4")
- **MDS-300ABB24 (U-Channel):** 86.9 x 139.7 x 44.4mm (3.42" x 5.5" x 1.75")
- **MDS-300ADB24 (Enclosed):** 88.9 x 141.3 x 44.4mm (3.5" x 5.57" x 1.75")

Safety Approvals



CB Certified for worldwide use

Delta Electronics is pleased to introduce its new high power density (14.3 Watts/in³) 3" x 5" design for Type BF patient access medical products. With operating parameters of 90 to 264 Vac universal input voltage, temperatures of -10 to +70°C, and altitudes of up to 5,000 meters (16,400 feet), the design is well suited for a variety of both medical and non-medical applications. Other features include input surge of 300 Vac, low leakage current, no-load input power < 0.5 Watt, and 800K hour MTBF. This product is certified for EMC standards EN 55011 for industrial, scientific and medical (ISM) radio-frequency equipment, and EN 55022 for Industrial Technology Equipment (ITE) radio-frequency equipment. In addition, only recognized Japanese capacitors are used to ensure long product life.

An enhanced feature set, includes a 5 Volt/0.5 amp standby output, remote on/off, remote sense, and a power good signal that are included as part of the standard product.

The design, which has protection against shock compliant with 2XMOPP and Type BF requirements, has both medical (with risk report available), and ITE safety approvals, including cURus (US & Canada)/TUV/GB (China); plus, CB certificates with all national deviations. Full compliance with RoHS Directive 2011/65/EU for environmental protection is included.

The unit comes in a standard 3" x 5" footprint, with height suitable for 1U applications. Robust terminals, capable of multiple connections of the main output to the end product. U-channel, and enclosed assemblies are available options.

Documents for this product, can be found at www.DeltaPSU.com and search in the Standard Products drop down menu for Medical » Internal » 24V » 151-300W, and click on part number [MDS-300APB24](#). Direct access to the data sheet can be found at the following [link](#).

For additional information, please contact your Delta sales representative.

*Based on the global sales revenue from the Micro-Tech Consultants March 2015 report

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