Medically Rated AC/DC Power Supplies

Lambda extended its NV-family of configurable AC/DC power supplies to include a range of models designed with medical applications in mind. With a reinforced 4 kV AC input to output isolation, the units meet the rigorous IEC 60601 international safety standards for medical equipment, making them suitable for use in patient-connected medical applications. The power supplies include PFC, efficiencies up to 90 percent and output power ratings of up to 180W (200W peak). Four standard models are available for rapid delivery and many custom-configurations can be built-to-order having 1 to 3 outputs with available output voltages of 3.3V, 5V, 12V, 15V and 24V dc (adjustable to 28V). No minimum loads are required. The operating input voltage range is from 90 to 264V AC, 45 Hz to 63 Hz. it has an optional temperature-controlled fan to ensure optimum cooling while achieving the lowest possible audible noise performance. These compact supplies are approximately 1.3" high x 3" wide x 5" long (without cover or fan). Despite the more substantial insulation requirements demanded by IEC 60601, these extremely compact units are capable of fitting 1U enclosures. Worst-case leakage current is impressive at less than 300µA at 264Vac/63Hz making it suitable for worldwide markets. Other compliances include RoHS, UL/IEC/CSA/EN60950-1 safety, CE Mark, FCC Class-B, EN55011/EN55022 (radiated and conducted EMI) and EN61000-3-2 harmonics and flicker specifications.
Lambda
619-575-4400, www.lambdapower.com [1]

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