

Triad's MD Series Portable Power Source Offers 3kV Medical-Grade Isolation

Medical isolation transformer box is certified to UL 60601-1 2nd edition and CAN/CSA C22.2 No.601.1; toroidal construction provides high isolation, low leakage and low radiated magnetic fields; ungrounded neutral limits chassis leakage current; rugged, reliable, economical source for patient room medical equipment

Perris, CA—December 15, 2015— Triad Magnetics, a leading manufacturer of magnetic components for medical, industrial, commercial and aerospace applications, introduces the MD Series of rugged, portable medical-grade power sources. The units, complete with power cord and receptacles, provide a simple and reliable means for safely isolating medical devices – including patient interface apparatus, diagnostic instruments, patient monitoring equipment and electrical stimulus therapeutic equipment from the power line.

The MD Series is available in models with output voltage of 120VAC in ratings from 250VA to 2400VA, with two or four NEMA 5-15 receptacles (based on VA rating). Units are available with 240VAC or 120VAC input. All units feature 3kV galvanic isolation, 5% no-load to full-load regulation, and 92% minimum efficiency at full load and less than 10 μ A typical leakage.

The construction of the MD Series toroidal transformer minimizes leakage currents from the power line through to the patient and equipment. It also minimizes radiated magnetic fields that can adversely affect very sensitive patient diagnostic, monitoring and therapy instruments. The MD Series offers users (hospital and medical center personnel) the capability of providing medical-grade power to several different instruments within the space of a patient's room.

“Our MD series toroidal transformer design does not include additional and often unnecessary filtering circuitry which simplifies the device and makes it more reliable while lowering cost,” said Triad's CEO, Bill Dull. “And unlike most of the competitive units that have the output neutral wire tied to ground, the MD series output neutral is floating, effectively limiting chassis leakage current as well as ground leakage current.”

About Triad Magnetics

Triad Magnetics is a global leader in the design and manufacture of transformers, power supplies and inductors for a wide range of applications, including switch mode/high frequency, wall plugin, power transformers, inductors and audio transformers. For more information, please go to:

www.triadmagnetics.com.

Editorial Contact:

Randy Eller

460 Harley Knox Blvd

Perris, CA 92571

951.277.0757

reller@triadmagnetics.com

www.triadmagnetics.com