

ONEAC Announces PCm Series(R) Medical-Grade Power Conditioners Now Available in 1500, 2000 and 3000 VA

Designed Specifically for Global Medical Applications That Require IEC60601-1 Compliance

LIBERTYVILLE, IL /Send2Press Newswire/ – ONEAC Corporation, a leading international manufacturer of power conditioners and uninterruptible power supplies (UPS), today announced additions to its PCm Series Medical-Grade Power Conditioner line. The new PCm 1500, 2000 and 3000 VA models join the previously released 120-1000 VA Medical-grade Power Conditioners and a robust line of ONm Series Medical-Grade UPS. The PCm Series Medical-Grade Power Conditioners eliminate power contaminants in medical applications with a full-time, on-line isolating transformer, while conforming to the global electrical safety standards for medical equipment – IEC60601-1 and its derivatives for Europe (EN60601), U.S. (UL60601-1/UL2601) and Canada (CSA C22.2 No. 601.1).



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Caption: ONEAC's New PCm Series 3000VA Medical-grade Power Conditioner

These medical-grade units are available with hospital-grade plugs and receptacles and in 120 V and 230 V, 50/60 Hz with IEC connectors to facilitate country-specific connector compatibility. Multiple input voltage

options are available on select models. These new PCm models are available now and carry a list price from \$1136-\$2050 (USD).

Medical Electronics Need Clean Power

Patient monitoring equipment, lab instrumentation and medical information systems have become significantly more sophisticated as electronic technology has evolved. Semiconductor chips are smaller and process information faster than ever before. While at the same time, making them more susceptible to disruption, degradation and destruction caused by poor power quality.

ONEAC's Medical-Grade Solution

The PCm Medical-Grade Power Conditioners ensure more reliable medical equipment performance by isolating medical equipment from the outside electrical worlds they connect to. Unlike surge suppression devices, ONEAC limits peak voltage (amplitude) and edge-speed (frequency) of electrical transients by employing a low impedance isolation transformer and Virtual Kelvin Ground(R) to remove the full spectrum of power line noise in both Common and Normal modes. This technology converts a noisy safety ground to a noise-free signal ground and provides a separately derived power source which limits earth leakage current to less than 100 milliamps which is well below the IEC60601-1 specification of 300 milliamps.

According to Maureen Janosch, Director of Product Marketing for ONEAC Corporation, "The ONEAC approach has proven uniquely effective against all conducted electrical disturbances. In medical applications, the need to protect critical electronic equipment and crucial data is second only to protecting patients. ONEAC medical-grade power conditioners provide clean, conditioned power and also help medical facilities comply with the strict earth leakage requirements of IEC60601-1."

Typical Applications

Power fluctuations and electrical transients hinder the availability and reliability of electronic-based systems used in medical environments. PCm Medical-Grade Power Conditioners condition the power to attached loads, while fully conforming to the strict earth leakage requirements of IEC60601-1 specifications. Typical applications include use with medical diagnostic equipment, imaging systems, analyzers, audio systems and other "patient contact" or "patient vicinity" equipment. Additional applications may include manufacturer integration with new or existing medical systems as part of an IEC60601-1 test and compliance program, or use with installed equipment to improve compliance with certain safety parameters.

Warranty

The PCm product line is built upon a field-proven, extremely reliable architecture and stands up to the harshest electrical environments. The PCm is backed by a five-year warranty on all power and control systems.

Approvals, Pricing and Availability

The PCm Series Medical-Grade Power Conditioners are listed for UL60601-1/UL2601 and CSA-C22.2 M601.1 compliance and carry the CE Mark for testing to the EN60601-1 standard for Medical Electrical Equipment. Designs are compliant with all specification parameters for Class I, Type B equipment (such as earth leakage and enclosure leakage currents). The new PCm Series Medical-Grade Power Conditioners are available now at 1500, 2000 and 3000 VA and carry a list price from \$1136-2050 (USD), depending upon model selected.

About ONEAC

ONEAC Corporation, a wholly owned subsidiary of Chloride Group, PLC was founded in 1979. ONEAC designs and manufactures products that provide the highest level of protection against power and data line disturbances, regardless of conditions. ONEAC's comprehensive product lines include power conditioners, uninterruptible power supplies and voice & data line protection devices. With ISO9001 certified manufacturing plants in the U.S. and U.K., ONEAC is dedicated to demand-flow manufacturing and the highest quality standards.

Organizations whose productivity goals allow no possibility for system downtime use ONEAC. They include many of the world's leading companies, in a wide range of applications including telecommunication systems, information technology, retail information systems, computer-integrated manufacturing systems, semiconductor test equipment and biomedical instrumentation and information systems.

Information on ONEAC products and services is available on the Internet at <http://www.oneac.com>

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