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PR Contact: Travis Coggin
Toshiba International Corporation
713-466-0277 x 3341

Toshiba to Launch G9000 400 V Uninterruptible Power System

Toshiba International Corporation, Houston, TX, June 20, 2013 – Toshiba International Corporation (TIC) announces the impending release of the G9000 400 V uninterruptible power system (UPS) in 500 kVA / 450 kW capacity. The G9000 Series offers true online, double-conversion systems providing ultra-reliable power at up to 97% efficiency. This model represents the beginning of an all-new series of G9000s, intended to provide Toshiba's energy-efficient design and proven reliability for international markets. The 500 kVA G9000 400 V UPS will be available in the summer of 2013.

The Toshiba G9000 UPS line is purpose-built from the ground up to allow for flexible, custom installations for data centers, co-locations, call centers and financial institutions. The flexible 400 V model range is designed for use with 380 V, 400 V, and 415 V four-wire installations, at 50 or 60 Hz. The multiple configuration options make the units ideal for markets throughout South America, Europe, the Middle East and Asia, as well as domestic installations using transformerless configurations that require a neutral. They are designed for stand-alone or for parallel use with up to eight units, without requiring paralleling or load-sharing intelligence in the switchgear cabinet.

Using Toshiba IGBT technology in the rectifier/converter, DC/DC chopper, and inverter sections, the 400 V model double-conversion topology provides an AC/DC/AC efficiency of over 95% at loads from 50% to 100%. Even at 25% loading, the efficiency remains greater than 94%. This highly effective efficiency curve makes the G9000 an efficient solution for redundant parallel systems where loads are typically 30 to 40%. The all-IGBT design also eliminates the need for a front-end harmonic filter and produces less than 3% input current total harmonic distortion.

The energy-efficient design of the G9000 significantly lowers operational expenses in comparison to that of traditional, less efficient UPSs. The exceptional dynamic response of the inverter eliminates the need for an output transformer, improving efficiency and reducing weight, noise, and total footprint. Like all G9000 units, the new 400 V 500 kVA model offers an input power factor greater than 0.99, a wide-input voltage range of 15% to -20% and an output power factor rated at .9. They support 100% unbalanced loads and 100% step-load changes without battery discharge, and are equipped to support monitoring adapters utilizing SNMP, MODBUS and other protocols. These versatile units also come with Toshiba's three-year onsite warranty.

About Toshiba International Corporation

Toshiba International Corporation (TIC) is a Toshiba America Inc. (TAI) Group Company, a wholly owned subsidiary of Toshiba Corporation. TIC is headquartered in Houston, Texas and employs approximately 1,800 people. TIC provides application solutions to a wide range of industries including industrial, power systems, transmission and distribution systems, and LED lighting systems. For more information about TIC, please visit www.toshiba.com/tic.

About Toshiba International Corporation's Uninterruptible Power Systems

TIC's Industrial Division has over 25 years of experience in the uninterruptible power systems arena. TIC produces a versatile range of single-phase and three-phase uninterruptible power system solutions and accessories that are hallmarked for their outstanding performance and reliability. TIC produces single-phase models ranging from 1 to 22 KVA, three-phase single module systems ranging from 15 to 750 KVA, and three-phase parallel module systems ranging from 100 to 6000 KVA. These systems are suitable for a wide range of applications including data centers, telecommunication, retail, healthcare, broadcasting, and industrial. Emergency backup energy is stored via batteries for all Toshiba UPS models (VLRA or flooded) and flywheels for some three-phase models.

For more information please contact Uninterruptible Power Systems Business Unit Manager of Toshiba Greg Mack at (855) 803-7087 or via email at greg.mack@tic.toshiba.com. Further information on Toshiba's UPS product line may also be found by visiting www.toshibaups.com.

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