



PRESS RELEASE

Uninterrupted Intelligence: 750kVA SG Series UPS

Uninterrupted Intelligence: GE Digital Energy's New 750kVA SG Series UPS Delivers Maximum Efficiency Greater Than 94 Percent, 30 Percent Smaller Footprint

LOMBARD, IL – GE Digital Energy announces the 750kVA SG Series Uninterruptible Power Supply (UPS), which offers energy-conscious electrical managers of large data centers and mission critical facilities maximum efficiency greater than 94 percent a 2.5 percent increase from previous 750kVA designs and a 30 percent smaller footprint.

“Customers don’t have to compromise ease-of-use and serviceability for high-efficiency and cost savings with our new 750kVA SG Series UPS,” says Brad Thrash, North American UPS product manager, GE Digital Energy.

Operating in a double conversion mode with true continuous on-line VFI (voltage and frequency independent) operation, the 750kVA utilizes GE’s Intelligent Energy Management™ (IEM), which automatically determines the most efficient mode of operation for the Redundant Parallel Architecture™ (RPA) system. It saves energy and reduces operating costs.

The 750kVA, compatible with full GE or non-GE systems, offers front service access with a small system footprint and eliminates the need for an input isolation transformer reducing maintenance, installation and repair costs.

Developed using GE’s design for Six Sigma methodology, the 750kVA utilizes the RPA paralleling system to parallel up to eight 750kVA modules, eliminating single points of failure and increasing system efficiency and reliability. In the RPA system, the UPS is controlled in a true peer-to-peer configuration with up to eight modules, using redundancy in all critical elements and functions resulting in no single points of failure. A “zig-zag” transformer also improves voltage regulation during unbalanced load conditions.

The 750kVA utilizes an optional Simple Network Management Protocol (SNMP) plug-in card, allowing the UPS to be managed with an existing Network Management System or with Digital Energy’s exclusive non-proprietary service software architecture.

Along with delivering energy savings and reliability, the 750kVA SG Series UPS also:

- Utilizes a Space Vector Modulation (SVM) digital control technique to create faster transient response and low output distortion (3%)
- Achieves (<5%) input THD with 6-pulse rectifier
- Eliminates the need for an input isolation transformer, reducing installation cost and weight
- Remotely monitors and manages power with connections via LAN or the Internet

- Decreases equipment requirements, eliminating centralized static bypass switches and controls cabinets

For more information on this product, visit www.geindustrial.com/ups.

About GE Digital Energy:

GE Digital Energy, a division of GE Enterprise Solutions, is a global leader in protection and control, communications, power sensing and power quality solutions. Its products and services increase the reliability of electrical power networks and critical equipment for utility, industrial and large commercial customers. From protecting and optimizing assets such as generators, transmission lines and motors, to ensuring secure wireless data transmission and providing uninterruptible power, GE Digital Energy delivers industry-leading technologies to solve the unique challenges of each customer. For more information, visit <http://www.gedigitalenergy.com>.

About GE Enterprise Solutions:

GE Enterprise Solutions elevates customers' productivity and profitability with integrated solutions using sensors and non-destructive testing; security and life safety technologies; power system protection and control; and plant automation and embedded computing systems. Enterprise Solutions' high-tech, high-growth businesses include Sensing & Inspection Technologies, Security, Digital Energy, and GE Fanuc Intelligent Platforms. The business has 17,000 problem-solving employees in more than 60 countries around the world.

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