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Eaton Offers Lower Total Cost of Ownership with Launch of Power Xpert 9395P UPS

ESPOO, Finland ... Power management company Eaton has launched the Power Xpert 9395P UPS which builds on the company's heritage, experience and expertise to deliver the future of power protection, all with a lower Total Cost of Ownership (TCO). Such has been the success of the original Power Xpert 9395, the first transformerless UPS launched in 2007, that it is already delivering 5GVA of safe and reliable power in all the major data centre hubs around the globe. With 10 percent more power and 18 percent less heat, the updated version meets the reliability needs of data centre operators and consultants in large data centres as well as healthcare, finance and banking, security, process control and telecommunications applications, delivering more cost-effective and efficient power than its predecessor.

“For clean, uninterrupted power for large mission-critical systems, Eaton now offers more choice than ever,” says Cyrille Brisson, vice president marketing, Eaton Electrical EMEA. “In 2013, we introduced the 93PM, our first UPS with three-level inverter topology and the most efficient UPS in double conversion mode on the market. Now, with our introduction of the Power Expert 9395P, our high efficiency range extends up to 1100kW. This means there's a highly efficient Eaton UPS to satisfy most protection requirements, from the smallest server room to the largest data centre, and one that meets the regulations and incentives available throughout EMEA.”

The original Power Xpert 9395 UPS introduced a number of new technologies and advanced features to the market when it was first launched. The new 9395P UPS further builds on this with many additional enhancements to offer more power, resilience, scalability and flexibility to provide a lower Total Cost of Ownership.

More power is delivered in the same footprint thanks to an increased efficiency in double conversion mode of 96.3 percent and greater power density. As a result, the new 9395P offers 10 percent more power than its predecessor, leading to significantly lower operational costs and a return on the initial capital investment within two to three years. In addition, 18 percent less heat is produced during operation reducing cooling needs.

To guarantee such high efficiency, even when UPS load levels are low, the new 9395P uses Eaton's Variable Module Management System (VMMS) which optimises the load levels of power modules in a single UPS, or in parallel UPS systems, by suspending extra UPS capacity. Additionally, Eaton's proven and reliable Energy Saver System (ESS) technology suspends power modules when power conditioning is not required and feeds the power through the static bypass switch, increasing efficiency to 99 percent. The UPS is ready to switch to double-conversion mode, however, in less than two milliseconds – a tenth of the time it takes for a hummingbird to flap its wings once.

The new 9395P also offers market-leading resilience through a number of features including Eaton's patented Hotsync load-sharing technology. Hotsync guarantees the safe and reliable operation of the UPS by synchronising parallel power modules and UPSs without the need for a communication link or synchronisation signals. Additionally, one static switch per UPS ensures full bypass capacity is achieved immediately and power modules can be added as loads increase. The 9395P is also designed for continuous operation at ambient temperatures up to 40 degrees centigrade without de-rating.

The scalability and flexibility of the new 9395P enables data centre managers to tailor its design to their needs and scale it to changing requirements by paralleling up to seven units, even after installation. Users can specify the number of power modules per UPS, specify preferred bypass capacity and topology, add modules as the power load increases and choose the layout that suits their specific installation e.g. back-to-back, L-shaped etc. Additionally Eaton's Easy Capacity Test (ECT) feature means the entire power train of the 9395P can be tested under full load stress without connecting an external load. This eliminates the need to rent load banks, make temporary load connections, or waste energy, time or money during start-up and commissioning and scheduled maintenance.

To learn more about the Power Xpert 9395P UPS, visit www.eaton.eu/9395P . For more information about Eaton's complete range of power quality solutions, visit www.eaton.eu/powerquality. For all of the latest news, follow us on Twitter via @Eaton_UPS or find our [Eaton EMEA LinkedIn](#) company page.

Eaton's electrical business is a global leader with expertise in power distribution and circuit protection; backup power protection; control and automation; lighting and security; structural solutions and wiring devices; solutions for harsh and hazardous environments; and engineering services. Eaton is positioned through its global solutions to answer today's most critical electrical power management challenges.

Eaton is a power management company with 2013 sales of \$22.0 billion. Eaton provides energy-efficient solutions that help our customers effectively manage electrical, hydraulic and mechanical power more efficiently, safely and sustainably. Eaton has approximately 103,000 employees and sells products to customers in more than 175 countries. For more information, visit www.eaton.com.

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