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Maximise your rack power with intelligent ePDUs from Eaton

MORGES, Switzerland ... Diversified industrial manufacturer Eaton Corporation has today launched a new set of enclosure power distribution units, ePDUs, that provide Intelligent Power[®] distribution to optimise available power in a data centre and control the total cost of ownership. The new set consists of enhanced Managed and Advanced Monitored ePDUs and an entirely new Switched range.

The Advanced Monitored ePDUs include features such as highly accurate kilowatt-hour monitoring, and the Switched ePDU enables remote shut-off and restart of data centre equipment. Managed ePDUs combine the features from Switched and Advanced Monitored for total control.

“There are two primary driving factors in the data centres today: the increasing demand for power and the increasing cost of power. Both of these factors play an important role in the running of a data centre and the future growth, especially when combined with the global increasing demand for data centres and IT servers,” says Stefan Coote, manager of solutions for small and medium data centres at Eaton Power Quality, EMEA.

“Through their industry-leading monitoring and management functions, the new ePDUs deliver a full understanding of both energy demands and energy usage in a data centre, be it small, medium or large with hundreds of racks.”

Accurate measurements for complete power control

Eaton's advanced ePDU models allow data centre managers to maximise their available power and control operating costs with utmost accuracy. They can monitor down to the individual server with one per cent accuracy (over 2 amperes), to provide complete control over individual outlets. They also allow switching and sequencing of outlets and outlet groups.

"Most data centres are running out of power, and do not know their true power needs or how close they are to their maximum power draw. Only by monitoring individual servers can a true picture of this be obtained," Coote says.

"Our ePDUs offer intelligent power distribution to give a complete understanding of what is going on in the data centre. They enable users to control operating costs by monitoring and tracking consumption from rack to branch and right down to the individual server, including accurate volt, ampere, watt and kilowatt-hour measurements, which give a comprehensive view of their rack power distribution."

All Eaton ePDUs are fully integrated into Eaton's Intelligent Power Manager monitoring software, so that the user can monitor and trend right down to the individual outlet from a single interface – and view the whole data centre at one glance.

Eaton ePDUs are designed specifically for the data centre environment to provide maximum availability and to fit in 42U IT racks. They will fit any rack, thanks to Eaton's patented mounting system. Competitively priced, the new ePDUs are available in stock in EMEA from mid-September.

For more information, visit www.eaton.com/epdu .

Eaton's electrical business is a global leader in power distribution, power quality, control and automation, power monitoring, and energy management products and services. Eaton is positioned, through its Cutler-Hammer®, Moeller®, Powerware®, Holec®, MEM®, and Santak® global electrical product series, to answer today's most critical electrical power management challenges.

Eaton Corporation is a diversified power management company with 2010 sales of \$13.7 billion. Celebrating its 100th anniversary in 2011, Eaton is a global technology leader in electrical components and systems for power quality, distribution and control; hydraulics components, systems and services for industrial and mobile equipment; aerospace fuel, hydraulics and pneumatic systems for commercial and military use; and truck and automotive drivetrain and powertrain systems for performance, fuel economy and safety. Eaton has approximately 73,000 employees and sells products to customers in more than 150 countries. For more information, visit www.eaton.com.

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