

The Latest Eaton Thought Leadership White Paper Offers Suggestions for Choosing the Best UPS Design to Meet Your Data Center Requirements

October 12, 2009 ... Eaton today announced the release of its September thought leadership white paper titled “Which UPS is right for the job?” Each month, Eaton power experts deliver content to address issues that are top-of-mind for customers and industry partners in today’s Information Technology (IT) environments. This paper shares an objective view of the key issues that go into selecting the best internal uninterruptible power system (UPS) design for your requirements.

The key objective of the UPS is to ensure that the power supplied to the IT equipment remains within the specifications of the equipment’s power supply unit under all input AC conditions. Picking the correct UPS design for a data center can have a significant effect on overall power performance, data center availability and cost of ownership.

Traditionally, data center managers and facilities managers could choose from three UPS topologies: standby, line-interactive and double-conversion—offering widely varying levels of efficiency, performance and protection. The latest generation of double-conversion UPSs, however, offers unique multi-mode capabilities. The UPS operates in a very high-efficiency mode unless power conditions warrant a switch to the higher protective level typical of double-conversion mode.

“Choosing the correct UPS is a daunting task, but the right choice can mean a significant reduction in energy consumption,” said Chris Loeffler, data center applications manager, Distributed Power Solutions, Eaton. “The UPS also has an effect on data center availability, an essential precondition to competitiveness and profitability.”

Where there once was only one “right” answer, new technologies offer effective new choices specifically designed for high-efficiency, high-density data centers. Read the white paper to learn about different UPS topologies and how they affect performance, reliability and energy efficiency.

To download the new white paper, please visit www.eaton.com/pq/whitepapers. To learn about Eaton's line of power quality products and services, visit Eaton's Web site at www.eaton.com/powerquality.