

# ABB modular UPS now available for large and mid-sized data centers in North America

480V UL version of Conceptpower DPA 500 designed to easily scale for incremental additions of clean, reliable power

RICHMOND, VA, United States — November 11, 2015 — ABB, the leading power and automation technology group, has expanded its modular UPS technology for use in large and mid-sized data centers, server rooms and other IT infrastructure applications with a 480V UL version of the Conceptpower DPA 500. With over 15 years of experience in designing and manufacturing UPS systems in Europe and Asia, ABB now brings this expertise to the UL market in North America.

Initially launched as a 400V IEC version in 2013, the Conceptpower DPA 500 is the only true online, double conversion modular UPS on the market that is easily scaled to provide up to 3 MW of clean, reliable power. The fundamental component of the UPS is 100 kW slide-in modules. Five of these module sets can be installed in a single frame, and six frames can be configured in parallel. UPS modules can be added to the system as power requirements grow, thus avoiding the need to over specify the initial design configuration.

The Conceptpower DPA 500's "online-swap modularity" (OSM) capability, in which modules can be inserted and removed with the UPS running, simplify routine maintenance and eliminate service-related downtime. Not only does this feature improve availability, but it also reduces cost, since service engineers spend less time on-site and any risk of data or production loss are minimized. Modularity ensures reduced inventory levels of specialized spare parts. Additionally, this online-swap technology helps achieve "six nines" availability (99.9999 percent), highly desirable for data centers in pursuit of zero downtime.

Reliability and availability are ensured by the Conceptpower DPA 500's proven Decentralized Parallel Architecture (DPA). Each module set contains all the hardware and software required for full system operation. The modules share no common components; each of them has its own independent rectifier, battery charger, inverter, static bypass, logic control and control panel. With all the critical components duplicated and distributed among individual units, potential single points of failure are eliminated.

"ABB is making a concerted effort to expand our overall portfolio for our customers and partners in North America," said Hans Pfitzer, Vice President of Engineering and Product Management in ABB's Power Protection Product Group. "Expanding the Conceptpower DPA 500 platform to support UL standards and voltages strategically positions ABB to provide our data center customers with a complete portfolio of power quality products."

The Conceptpower DPA 500 boasts the lowest total cost of ownership compared to other UPS systems by offering high energy efficiency, scalability and an optimized modular design to enable easy front access serviceability. A class-leading energy efficiency surpassing 96 percent significantly reduces system running

costs and cooling expenses. More importantly, the efficiency is optimized and significant savings are achievable under every working condition. The straightforward nature of the Conceptpower DPA simplifies every step of the deployment process, from planning through installation and commissioning to full use. Flexible setup and fast maintenance mean lower operating and maintenance costs.

The Conceptpower DPA 500 is part of ABB's broad range of products and integrated solutions that ensure data centers operate with optimum reliability and efficiency. From power distribution systems to enterprise management and grid connections, ABB provides savings in installation, energy, space and maintenance.

## About ABB

ABB ([www.abb.com](http://www.abb.com)) is a leader in power and automation technologies that enable utility, industry, and transport and infrastructure customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in roughly 100 countries and employs about 140,000 people.

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