



Press release

ABB extends range of modular Newave UPS to 3 MW

Quartino, Switzerland, September 24, 2013 – Newave, a member of the [ABB Group](#), today launched a new type of modular uninterruptible power supply (UPS) system for use in data centers to fulfill power requirements from 100 kilowatts (kW) up to 3 megawatts (MW). The Conceptpower DPA 500 UPS system from Newave provides maximum availability for data centers targeting zero downtime and low cost of ownership. The modular, parallel architecture underpinning the Conceptpower DPA 500 delivers a highly reliable product that is easy to maintain.

The basic element of Conceptpower DPA 500 UPS is a 100 kW slide-in module. Five of these modules can be installed in a single frame, and six frames can be configured in parallel – giving a maximum rating of 3 MW. The Conceptpower DPA 500 is the only modular UPS on the market that can easily scale up to provide 3 MW of clean, reliable power.

UPS modules can be added to the system as power requirements grow, thus avoiding the need to overspecify the original configuration. Because the modules can be inserted and removed with the power on and without the need to transfer the load to raw mains supply (“online-swap”), routine maintenance is simple and related downtime is avoided. Not only does this feature improve availability, but it also reduces cost, since service engineers spend less time on-site and any risks of data or production loss are minimized. Inventory levels of specialized spare parts are reduced, as well.

This online-swap technology also can help data centers 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 contains all the hardware and software required for full system operation. The modules share no common components; each of them has its own independent static bypass, rectifier, inverter, logic control, control panel, battery charger and batteries. With all the critical components duplicated and distributed among individual units, potential single points of failure are eliminated.

The Conceptpower DPA 500 boasts the lowest cost of ownership of any UPS system by offering high energy efficiency and scalability and an ergonomic design to enable easy serviceability. A class-leading energy efficiency of up to 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.



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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 UPS is fully front-serviceable.

Conceptpower DPA 500 systems are available from ABB Newave distributors across the globe. Visit www.abb.com/ups to learn more.

ABB (www.abb.com) is a leader in power and automation technologies that enable utility and industry customers to improve performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 145,000 people.

For help with any technical terms in this release, please go to: www.abb.com/glossary

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