

20 - Modular Static UPS Systems

Uninterruptible Power Supplies Ltd

As the first to introduce transformerless, modular solutions to the UK, we continually strive to raise the bar of the industry standards in supplying secure power to our customers' critical loads. UPSL are now part of the Kohler Corporation Global Power Group, we provide the industry's most energy efficient and environmentally friendly power protection.

PowerWAVE 9000DPA

Our flagship product, the Modular PowerWAVE 9000DPA, represents important advances in UPS technology including:

Advanced Decentralised Parallel Architecture (DPA)

- Distributed control & power
- Eliminate single points of failure

DPA embraces the concept of removing single points of failure by connecting in parallel, independent self-reliant three-phase UPS modules.

Each module contains all the hardware and software required for full system operation. Consequently, the availability of the UPS system is greatly enhanced.

PowerWAVE 9000DPA UPS rack-format modules can be paralleled to provide module redundancy (parallel redundancy) or to increase the system's total capacity.

Six Nines (99.9999%) Availability for Mission Critical Applications
PowerWAVE 9000DPA provides class leading 'six nines' availability by uniquely combining benefits of DPA, parallel redundancy and 'hot swap' modularity.

High Reliability

Parallel redundant (N+n) UPS systems provide the highest level of reliability by ensuring that the number of UPS modules in the system is a minimum of one (n) over and above the number required (N) to fully support the critical load. This ensures that the critical load always receives the highest level of power protection possible.

Easy to Replace True Hot-Swap Modules

True 'hot-swap' modularity enables the safe removal and/or insertion of UPS modules into a PowerWAVE 9000DPA system without risk to the critical load and without the need to either transfer the critical load onto the mains or remove power from the critical load. This unique feature responds to today's requirements where planned computer shutdowns are becoming a rarity.

Low Cost of Ownership

- Near unity input power factor & very low input THDi <3%

The PowerWAVE 9000DPA is amongst the class leaders in terms of cost of ownership by offering energy efficiency, scalable flexibility and ergonomic design to enable ease of serviceability. With its unique scalability, and ability to supply the most demanding of modern loads, the PowerWAVE 9000DPA offers unprecedented protection of your investment.

Class Leading Energy Efficiency

The PowerWAVE 9000DPA is amongst the class leaders with 95.7% true online efficiency which significantly reduces system running costs and site air-conditioning costs.

Class leading power density of 342 kW/m² significantly minimises the floor space required to accommodate the PowerWAVE 9000DPA.

Enhanced Capital Allowance Scheme - ECA Approved

The inclusion of the PowerWAVE 9000DPA on the Carbon Trust's Enhanced Capital Allowance Scheme means the total cost of the purchase price can be offset against taxable profits.

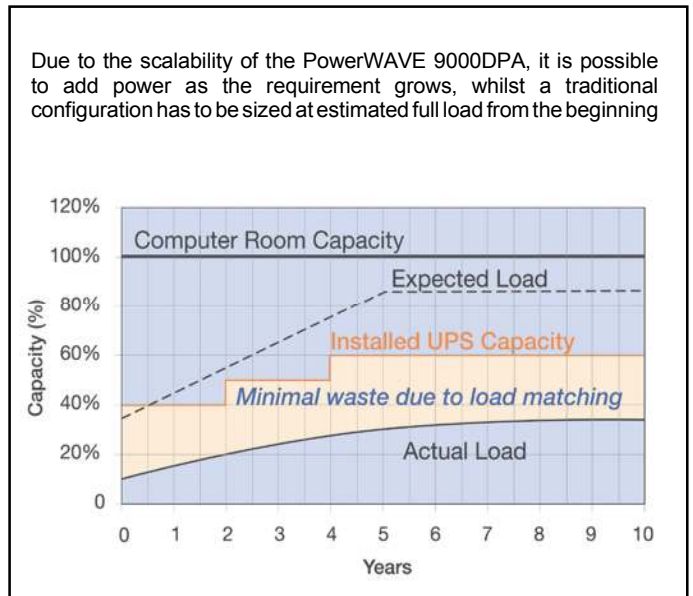
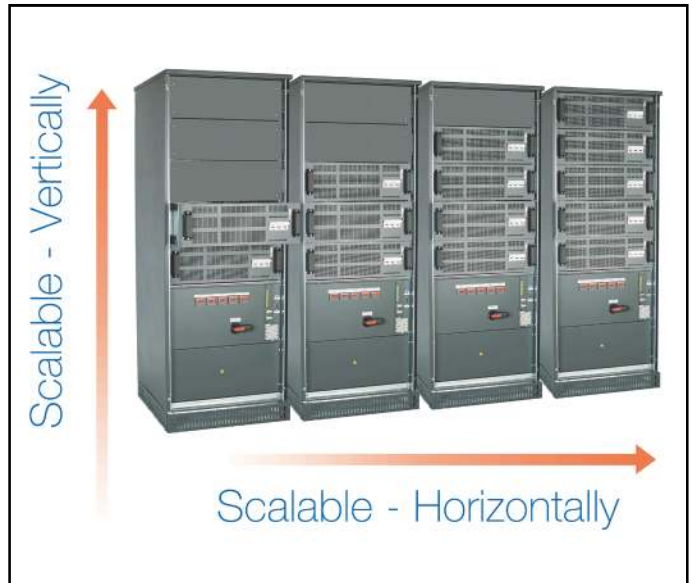
Cost-effective Scalability

- Rightsize the system

With the PowerWAVE 9000DPA it is possible to simply add UPS modules, in cost-effective incremental steps as the critical load power requirement grows. Therefore it is not necessary to oversize the UPS at the time of initial installation. This 'rightsizing' reduces the system's initial cost, optimises its operating efficiency and helps reduce the total cost of ownership.

Detailed technical specifications for the PowerWAVE 9000DPA can be found on our technical page.

powerWAVE 9000DPA



PowerWAVE 9000DPA

- Rack format UPS modules, each with ratings of **10, 15, 20, 25, 30, 40 or 50kVA**
- Up to 5 UPS modules paralleled in a single system cabinet
- Independent 'hot swap' modules to remove single points of failure
- **1000kVA or 950kVA N+1** capability in a four system cabinet parallel configuration

Door Open Door Closed

Example of a single system cabinet fully populated with 5 UPS modules