

MODULAR UPS SHIPMENTS TAKE CENTRE STAGE

UPS systems continue to pack a punch, with manufacturers rolling out modular designs for data center deployment

CHLORIDE SHIPS MODULAR UPS, CLAIMS EFFICIENCY RATES UP TO 99%

UK-based electrical equipment manufacturer Chloride unveiled its latest modular UPS system in October, which the company said was scalable up to 9.6MW of power, while operating at up to 99% efficiency. A single Trinergy UPS cubicle can consist of up to six base 200kW modules.

Up to eight cubicles can be connected in parallel to achieve maximum capacity.

Each cubicle is a complete UPS, which means several of them can be used for redundancy and concurrent maintainability. The system does not have any single point of failure, as each module is a rectifier or an inverter.

The UPSs share the load according to the number of modules each of them consists of. Any of the modules can be isolated for maintenance work without interrupting supply of conditioned power to the data center.

Trinergy monitors the incoming power's quality and automatically switches between three modes to maximise efficiency. The modes



are Maximum Power Control, Maximum Energy Saving and High Efficiency and Power Conditioning.

According to a Chloride representative, the system acts as a "true harmonic filter", able to correct voltage and harmonics, while monitoring the load. If the load reduces, modules are switched off automatically. ■