

POWERHOUSE DISTRIBUTIONS

HOT SWAPPABLE SERIES 10kVA - 100kVA

- TRUE ON-LINE
- PARALLEL
- REDUNDANT
- DOUBLE CONVERSION
- MODULAR
- GREEN AND CLEAN POWER
- HIGH EFFICIENCY



HOT SWAPPABLE SERIES

Power+ is a state-of-the-art modular UPS system based on the true on-line battery topology. The Power+'s modular design makes scalability simple; its high power density provides the benefits of a small footprint and low heat dissipation. The Power+'s rich management and communication capabilities include remote monitoring and control over the Internet or via cellphone. Its hybrid static switch ensures high reliability and compliance with IEC standards.

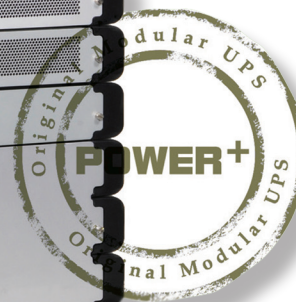


THE UPS THAT GROWS WITH YOUR BUSINESS

Power+ is a true modular, user-upgradeable system. As load increases you can insert up to a total of ten 10kVA hot-swap plug-in modules, each weighing only 9kg. The power+ can be configured in parallel for N+1 or N+2 redundancy.

TRUE ON-LINE BATTERY

The Power+ inverter complies with the IEC-62040-3 standard by its ability to take its input power from either the ac input (via the rectifier) or the battery, and supply power to the load. The battery is galvanically connected between the rectifier output and the inverter input on a common DC link.



PARALLEL POWER+ SYSTEMS

Connecting two or more Power+ units in a parallel configuration provides increased reliability and/or greater output power capacity. Power+ units equipped with the optional parallel kit share the load equally.



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SPECIFICATIONS*	10kVA	20kVA	30kVA	40kVA	50kVA	60kVA	70kVA	80kVA	90kVA	100kVA	
Topology	True Online Battery, Double Conversion VFI										
Construction	Modular parallel hot-plugged modules, continuous operation										
Input											
Voltage	3 x 380/400/415V+N+PE (5 wires system)										
Voltage Range	-27% to +20%										
Current	15A per phase for a single module, no inrush current at startup										
Frequency	47-63Hz										
Power Factor	1										
THDI	< 5%										
Output											
Rated Power	10kVA/8kW to 100kVA/80kW										
Frequency Tracking Range	±0.5, ±1, ±2, ±3, ±4Hz (selectable)										
Frequency (in free-running mode)	50/60Hz ± 0.1%										
Slew Rate	1Hz/Sec										
Voltage	3 x 380/400/415V+N+PE (selectable)										
Static Regulation	±1%										
Regulation for unbalanced load	±1% for 100% unbalanced load										
Dynamic Response to 100% Load Step	±2%, < 1ms recovery time										
Overload	110% for 10min., 125% for 60sec, 1000% for cycle 1										
Waveform	Sinusoidal										
THD	Less than 2% for linear load										
Load CF (max)	6:1										
AC-AC Efficiency (nominal)	Up to 96%										
DC-AC Efficiency (nominal)	Up to 98%										
Batteries											
DC-Link Voltage	±432V										
Number of Batteries	64 x 12V										
General											
Maximum Power Dissipation (Po=8kW)	333W (1136 BTU/h) for a single module										
Ambient Temperature, Relative Humidity	-10° to +40° (operating); -20° to +60° (storage), 95% max non-condensing										
Acoustic Noise dBA (half load and full load)	48/51	52/54	53/55	54/57	55/58	56/59	56/59	57/60	58/61	58/61	
Standards											
EMC	EN50091-2 Class A; IEC 62040-2										
Safety	EN50091-1; IEC 62040-1-1										
Design	EN50091-3; IEC 62040-3										
Low Magnetic Field Radiation	EMF as per ICNIRP										
Weight and Dimensions											
10kVA Module (H x W x D)	88mm (2U) x 483mm (19") x 455mm										
Weight	9kg										
Power+ System	Height (cm)	69	79	88	97	107	116	125	135	144	154
	Width (cm)	60									
	Depth (cm)	69									
Power+ System Weight (kg)		98	113	128	143	158	173	188	203	218	233

All information contained in this brochure is purely indicative and can not be used to form any contractual obligations. Specification or design can be changed at anytime without prior notice.