

PowerWAVE EL

Emergency Lighting
Static Inverter Range



PowerWAVE EL

Designed to fully comply with EN 50171

True double-conversion and PWM technology

Inverter stage output isolation transformer included (EL 300)

Capable of 120% continuous overload to meet European emergency lighting regulations

Large charger for faster recharge of batteries

Unique inverter design to suit high inrush lighting loads

Bypass to load (changeover mode) user selectable

LCD panel providing accurate detailed information about load, batteries and inverter with advanced diagnostics

SNMP, RS 232 and dry contacts for communication and remote monitoring

Efficient power for emergency lighting and safety equipment.

Backed by Kohler expertise and class-leading support.



Addresses the need for a range of high performance static inverters manufactured using state-of-the-art technology to give your operation the peace of mind it needs.

Boasting true double-conversion and PWM technology, the entire Kohler Uninterruptible Power (KUP) emergency lighting range is capable of 120% continuous overload and has optional parallel modes.

To provide installation flexibility, KUP's battery system designs are available in various formats, whilst optional monitoring with active battery management helps maximise service life.

Single-phase



Three-phase



Common applications

- Emergency lighting systems
- Central power supply systems
- Fire alarm and safety systems
- System and battery test function
- Hospital and medical systems
- Cinemas and entertainment venues
- Retail

PowerWAVE EL 100XA series

High performance static inverter (500–3000 VA)

- Wall-mounted and floor-standing options
- Allows for an internal self-contained battery system capable of supplying standard emergency lighting of 3 hour autonomies
- Includes internal output distribution MCBs as standard
- Fully encapsulated product for lower rated requirements
- High reliability with low maintenance
- Low operating cost
- Wide range of standard ratings available
- Battery options to suit all applications
- Intelligent battery monitoring to maximise service life
- Simple & easy to install with front access

PowerWAVE EL 300 DSP series

Three-phase input and output static inverter (10–160 kVA)

- Solution for higher power, three-phase loads
- High reliability with low maintenance
- Low operating cost
- Wide range of standard ratings available
- Battery options to suit all applications
- Intelligent battery monitoring to maximise service life
- Simple & easy to install with front access
- IP41 as standard: suitable for harsher environments
- Maintenance bypass, for complete isolation of the inverter during maintenance
- Optional parallel mode (hot standby, redundant, symmetric parallel)
- BSI kitemark certified to BS EN 50171



Modular 3ph / 1ph out or 1ph in / 1ph out



PowerWAVE EL MOD series

High performance emergency lighting inverter (4–24kVA)

- 1/1 and 3/1 configuration via display
- Hot-swap power module
- True sine wave output
- Output configurable to three modes of operation (changeover/inverter/non-maintained)
- No break load transfer for use with discharge lamps
- Deep discharge protection
- Reverse battery polarity protection
- Front access for maintenance and repair
- Optional maintenance bypass, for complete isolation of the inverter during maintenance
- Each module automatically equally shares the input and output current; all inverter modules share the batteries
- Battery short circuit protection
- Battery discharge management, auto-transfer between floating and equal charging, temperature compensation
- Intelligent battery monitoring to maximise service life (option)

Modular vs Standalone

	Standalone	Modular
Lowest N+1 initial cost	○	●
Fastest mean time to repair	○	●
Unit remains online during maintenance	○	●

Critical power protection solutions

- Emergency lighting inverters
- UPS systems
- Standby generators
- Energy efficiency, obsolescence risk and compliance audits
- Critical power maintenance
- CIBSE accredited CPD training

Our products are only half the story

We pride ourselves on the service we offer, from concept discussion to end-of-life recycling, and are delighted to be rated best-in-class for customer satisfaction by NICE Satmetrix.

Please feel free to contact us as detailed below - we look forward to hearing from you.

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