

PowerWAVE EL

(Single-phase 500 VA–30 kVA)

Three-phase 10–160 kVA)



Efficient power for emergency lighting and safety equipment.

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 range is capable of 120% continuous overload and has optional parallel modes. UPS Ltd's most intelligent battery monitoring maximises service life and a galvanic isolation transformer is included as standard.

PowerWAVE EL

Designed to the latest European EN 50171

True double-conversion and PWM technology

Inverter stage output galvanic isolation transformer included

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

Parallel mode operation (optional) (hot standby, redundant, symmetric parallel)

Large charger for faster recharge of batteries

Maintenance bypass (for complete isolation of the inverter during maintenance)

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

RS232 and dry contacts for communication and remote monitoring





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 standalone options

Allows for an internal self-contained battery system capable of supplying standard emergency lighting of 3 hour autonomies

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 100 series

Single-phase input and output online static inverter (4–12 kVA)

Solution for higher power, single-phase loads

Galvanic isolation transformer at the inverter stage

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 200 series

Three-phase input and single-phase output static inverter (10–20 kVA)

Solution for higher power, single-phase loads

Galvanic isolation transformer at the inverter stage

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



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

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

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