

# PowerWAVE EL

(Single-phase 500 VA–30 kVA  
Three-phase 10–160 kVA)



---

## 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

---

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. KUP's most intelligent battery monitoring maximises service life and a galvanic isolation transformer is included as standard.



### 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 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

BS1 kitemark certified to BS EN 50171



KM 658954  
BS EN 50171



### 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

**KOHLER** POWER  
uninterruptible

---

Unit C7, Riverview Business Park,  
Nangor Road, Dublin 12

---

**Tel:** +353 (0) 1 4606859

---

**Email:** [iesales.ups@kohler.com](mailto:iesales.ups@kohler.com)

---

**[www.kohler-ups.ie](http://www.kohler-ups.ie)**