

# PowerWAVE 1000 (1-10 kVA)



**KOHLER POWER**  
uninterruptible

For server, network, storage, VoIP and telecommunication applications – combining high reliability with low upfront costs to make it the perfect solution for mission critical applications.

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## PowerWAVE 1000

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Compact design, offered in both 19" rack and tower versions

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Up to 94% efficiency

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High efficiency eco-mode

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0.9 power factor (1–3 kVA)

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Unity power factor (6–10 kVA)

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Interfaces: USB, RS-232, SNMP, Modbus, potential free contacts, EPO contact inputs

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Flexible battery configuration – programmable number of batteries (6–10 kVA)

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Designed for single-phase uninterruptible power supply requirements.

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Manufactured with the flexibility to meet the demands of today's critical applications, the PowerWAVE 1000 can be used as a standalone UPS device or installed into a standard 19" rack configuration, with connectivity options available for each.

The UPS completely regenerates the utility power to correct power disturbances in the mains and provides clean AC power, with voltage and frequency independency from the mains power supply (VFI).



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## Hot-swappable batteries

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Replace or add battery packs with no downtime/no risk

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With the PowerWAVE 1000's front access panel, replacing battery packs no longer requires the critical load to be interrupted, ensuring you are always protected 24/7.

With the 6–10 kVA versions, the number of batteries is programmable allowing for a flexible battery configuration.

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## High reliability

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Automatic (6–10 kVA UPS) redundant parallel operation

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Increasing load and protection levels is made quick and easy with the PowerWAVE 1000. A larger load or N+1 parallel redundancy can easily be achieved by simply connecting up to four units, using the CAN-bus (RJ45) on the rear of the unit. Versions are available for 1, 2, 3 or 4 x UPS to create a 1+1, 2+1 or 3+1 redundancy system. This 'right sizing' reduces initial cost, optimises operating efficiency and helps reduce total cost of ownership.

In addition, matching battery cabinets can be added to extend the back-up time for several hours.

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## Advanced battery discharge management

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Reduced recovery time from discharge

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The PowerWAVE 1000 automatically manages the end-discharge voltage of the internal batteries according to the load, preventing deep discharge of the batteries during a power failure.

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## User-friendly display

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Quick glance screen

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An easy-to-read display provides a real-time view of all major system parameters and current status, including load level, battery level, system wiring faults, overload and programmable output status.

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## Power distribution and bypass

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Optional manually operated maintenance bypass switch, which facilitates electrical and physical isolation of the UPS. Power distribution (1, 2 and 3 kVA UPS) facilitates easy electrical connection of devices to the UPS. The units can fit in as a tower or rack version.

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## Low cost of ownership

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High operating efficiency

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0.9 Unity power factor & low input THDi

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The PowerWAVE 1000 delivers high efficiency of up to 94%. The eco mode allows this to be increased to 98%.

The PowerWAVE 1000 provides an output factor of 0.9 (1 kVA, 2 kVA and 3 kVA) and unity (6 kVA and 10 kVA), as well as a low input THDi of <3%.



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