

Single-phase, online double-  
conversion uninterruptible  
power supply

## MINIpowerPLUS

The most reliable and resilient  
single-phase UPS currently available,  
a must for all professional users

Pioneering solutions for  
total power protection

Uninterruptible  
**Power**  
Supplies Ltd  
A KOHLER COMPANY

# MINIpowerPLUS

## Single-phase, scalable critical power protection up to 10 kVA

For more information call 0118 981 5151  
or visit [www.upspower.co.uk](http://www.upspower.co.uk)

The MINIpowerPLUS range is ideal for small low power protection applications where reliable power must be scaled to cost and space constraints. Available in an office friendly tower or compact 19" rack-mounted modular configuration, the MINIpowerPLUS is the most reliable and resilient single-phase UPS currently available.

- Expandable in 1.25kVA modular steps to 10kVA
- Online double conversion technology for a clean and protected supply
- Internal N+1 Parallel Redundancy for high availability and reliability
- Easy-to-use LCD interface for programming, status reporting and diagnostics
- Expandable up to 8 hours battery autonomy
- Tower or 19" rack-mounted configurations
- On-site, flexible upgrade capability
- Near unity power factor at partial and full loads

### Total flexibility

#### Key benefits

- Ability to 'rightsized' the system
- Simple installation of new UPS modular power boards
- Reduced total cost of ownership

Total flexibility is a key benefit of the MINIpowerPLUS. It is possible to simply add UPS power boards – in cost-effective incremental steps – to the MINIpowerPLUS as the critical load requirement grows. This ensures the UPS is 'rightsized' to the critical load at initial installation. This 'rightsizing' reduces initial costs, optimises operating efficiency and helps reduce the total cost of ownership.

Thanks to the design of the MINIpowerPLUS additional UPS power boards can be added or existing ones replaced. System upgrades or repairs are therefore, quick and easy. Battery autonomy is similarly flexible, and can be customised using battery kits. These can be standalone or integrated with the UPS power boards. Full-load battery standby time of up to eight hours is available with a rapid recharge capability. Battery redundancy can also be built-in for guaranteed continuity of supply.

### The right solution

MINIpowerPLUS is available in two different versions:

- MINIpowerPLUS Tower
- MINIpowerPLUS Rack

MINIpowerPLUS Tower systems deliver up to either 5kVA (MINIpowerPLUS 5000) or 10kVA (MINIpowerPLUS 10000) in a compact unit measuring only 270 x 475 x 570mm.

MINIpowerPLUS 5000 uses the space-saving single tower to accommodate up to four 1.25kVA UPS power boards and four strings of batteries. Battery autonomy can be increased by adding a separate battery cabinet.

MINIpowerPLUS 10000 allows four to eight 1.25kVA UPS power boards to be accommodated in one tower to provide a maximum output of 10kVA. Up to ten strings of batteries can be housed in a separate cabinet.

MINIpowerPLUS rack mounted version uses 6U of a standard 19" rack. With four UPS power boards, this version provides up to 5kVA in capacity or 3.75kVA in parallel redundant (N+1) mode. Battery autonomy is simply extended by mounting additional batteries in a separate rack-mounted battery unit.

Features of both the tower and rack-mounted MINIpowerPLUS include automatic bypass, battery test function, load/temperature dependant fan speed and an RS232 port allowing the use of diagnostic or autosutdown software.



INVESTOR IN PEOPLE

Ensures that our staff are developed and trained to maximise their contribution to the company's effectiveness and thereby deliver a consistently high level of customer satisfaction



Ensures that all measures and controls are in place to identify and manage safety and the risks associated with our work activities



Certificate No. PS 24416

Ensures a consistently high level of quality and customer satisfaction



Ensures the health & safety documentation compared against Chartered Standards



Ensures a consistently innovative and forward thinking approach to the environment



Ensures the management systems for Safety, Health, the Environment and Quality (SHEQ) practises and procedures

## Specifications

### Options

- Extended autonomies
- External bypass switch
- Comprehensive service plans

All models										
Input voltage (Nominal)	V	230								
Input frequency		50/60Hz $\pm$ 2% autosensing								
Input voltage range		184 to 264V at 100% load 100 to 264V at 50% load								
Input power factor		>0.99 at 20% load								
Input current total harmonic distortion	%	<3								
Output voltage	V	230 $\pm$ 1%								
Output frequency		50/60Hz synchronised								
Overload capacity										
Online Modes		150% for 30s, 200% for 5s, 300% for 1s								
Battery Modes		160% for 15s								
Protection degree		IP 21								
Standards		EN62040-1, EN50091-2, EN62040-3								
Batteries		3 x 12V 9 Ah sealed lead-acid, maintenance-free batteries per board (Standard) Up to several hours available on request								
MINIpowerPLUS tower		5000				10000				
Rated power	kVA	1.25	2.5	3.75	5	5	6.25	7.5	8.75	10
Active power	kW	0.875	1.75	2.625	3.5	3.5	4.375	5.25	6.125	7
Dimensions (WxHxD)	mm	270 x 475 x 570				270 x 475 x 570				
Weight	kg	23.5	34	43	53	24	26.5	29	31.5	34
Battery		Internal (External optional)				External (Additional cabinets)				
MINIpowerPLUS rack		5000								
Rated power	kVA	1.25	2.5	3.75	5					
Active power	kW	0.875	1.75	2.625	3.5					
Dimensions (WxHxD)	mm	483 x 266 x 582			(6 U)					
Weight	kg	23.5	34	43	50					
Battery		Internal (External optional)								



**True modularity: upgradeable in 1.25kVA increments to 10kVA, n+1 redundancy**

MINIpowerPLUS (Left)

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## **A guarantee of service excellence**

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Uninterruptible Power Supplies Ltd has built its reputation for service excellence by providing industry leading pre and post sales service and support. The company is recognised as setting the benchmark for quality of service in the industry, and has accreditation and endorsement from all major bodies.

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## **Best in Class from Uninterruptible Power Supplies Ltd (UPS)**

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**UPS is a leading provider of power protection product and service solutions including UPS, standby diesel generators, battery banks, software and ancillaries. Part of Kohler Corporation's Global Power Group, UPS has a proven and enviable track record with customers across all of market sectors around the world ensuring 24/7 power protection of mission-critical business systems.**

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## **About Kohler Corporation**

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**Established in 1873, Kohler Corporation has a pedigree for quality, innovation and exceptional craftsmanship. In 1920, it launched the world's first engine-powered electric generator, which became known as the revolutionary 'mini power and light' power plant. Since then, it has been developing products for every aspect of critical load requirements and is one of the world's largest power protection equipment manufacturers with products in use on every continent.**

**Together, UPS and Kohler bring a potent, global force of longevity, pedigree, pioneering product technology, service excellence and global reach to the power protection industry.**

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