

KOHLER®

UNINTERRUPTIBLE
POWER



KOHLER *MINIpowerPLUS*

Modular single-phase uninterruptible power supply

(1.25 kVA to 10 kVA)

Modular *protection*, compact footprint.

The KOHLER MINIpowerPLUS offers the benefits of scalable, modular UPS architecture for single-phase power protection applications up to 10 kVA.

KOHLER MINIpowerPLUS is ideal for smaller critical applications where reliable power must be balanced with space constraints.

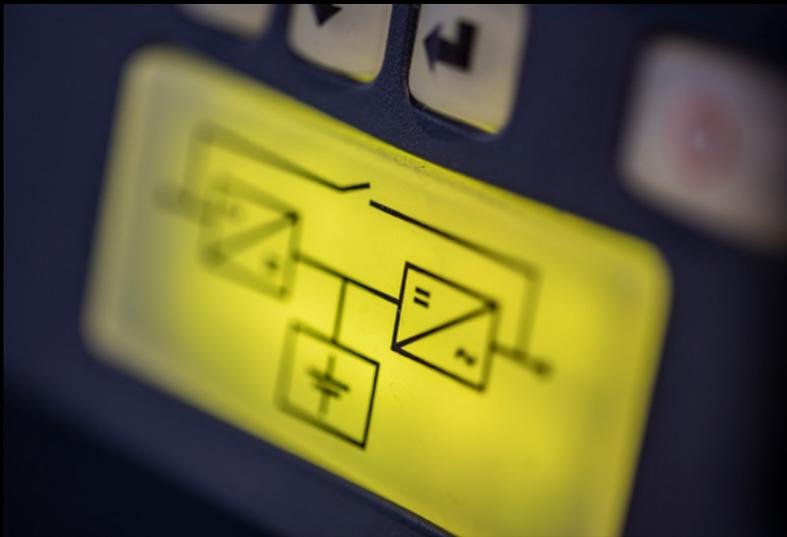
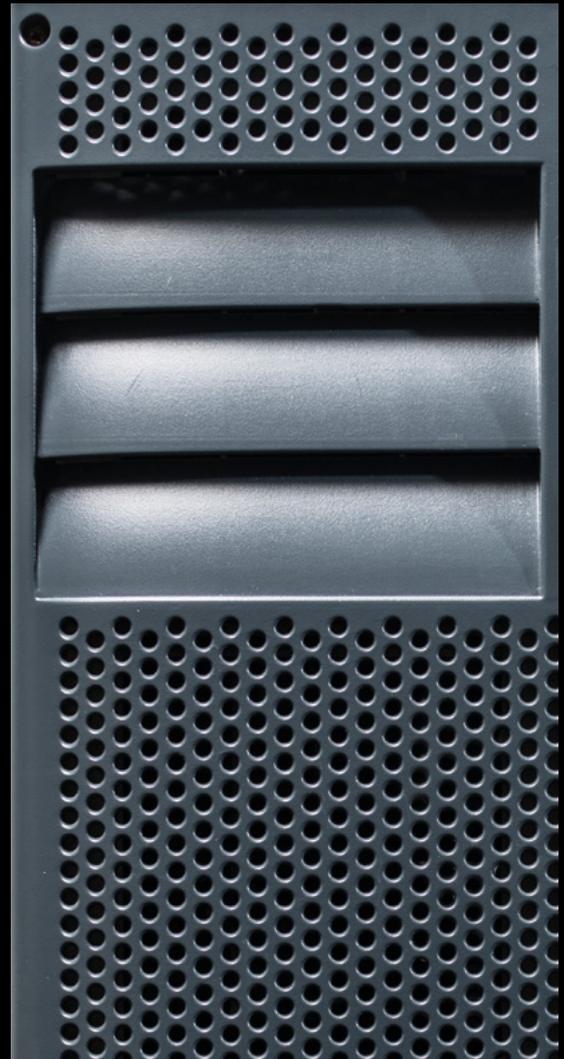
A true, continuous online, double conversion voltage and frequency independent (VFI) UPS, its modular format enables N+1 redundancy to be achieved in a highly compact tower or 19" rack footprint

This makes it one of the most resilient and reliable single-phase UPS available.



KOHLER MINIpowerPLUS

- | Expandable in 1.25 kVA modular steps to 10 kVA
- | 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 input power factor at partial and full loads



Total flexibility

Key benefits

- | Ability to 'rightsize' the system then 'invest as you grow'
- | Simple installation of new UPS modular power boards
- | Reduced total cost of ownership

Total flexibility is a key benefit of the KOHLER MINIpowerPLUS. It is possible to simply add UPS power boards – in cost-effective incremental steps – 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. Adding or replacing existing boards also enables easy system upgrades or repairs.

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.



KOHLER MINIpowerPLUS Tower



KOHLER MINIpowerPLUS rack mounted

Features



The right solution

The KOHLER MINIpowerPLUS is available in two different versions:

| KOHLER MINIpowerPLUS Tower

| KOHLER MINIpowerPLUS Rack

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

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

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

The KOHLER MINIpowerPLUS rack mounted version uses 6U of a standard 19" rack. With four UPS power boards, this version provides up to 5 kVA in capacity or 3.75 kVA in parallel redundant (N+1) mode. Batteries are internal. Autonomy can be extended simply 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 autoshutdown software.

Maximised protection

| Internal N+1 parallel redundancy

If one of the modules stops working, the others will all continue supplying the load without any interruption, redistributing the percentage of load that was previously supplied by the module now out of order. This redundancy ensures continuous up time.

Technical specification

General Data										
Input										
Input voltage (nominal)	230 V									
Input frequency	50/60Hz \pm 2% autosensing									
Input voltage range	184 to 264 V at 100% load, 100 to 264 V at 50% load									
Input power factor	>0.99									
Input current total harmonic distortion	<3%									
Output										
Output voltage	230 V \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 12 V 9 Ah sealed lead-acid, maintenance-free batteries per board as standard Up to several hours available on request									
MINIpowerPLUS tower										
	5000				10000					
Rated power kVA	1.25	2.5	3.75	5.0	5.0	6.25	7.5	8.75	10.0	
Active power kW	0.875	1.75	2.625	3.5	3.5	4.375	5.25	6.125	7.0	
Dimensions mm (WxHxD)	270 x 475 x 570				270 x 475 x 570					
Weight (kgs)	23.5	34	43	53	24	26.5	29	31.5	34	
Battery	Internal (External optional)				External, via additional cabinets					
MINIpowerPLUS rack										
	5000									
Rated power kVA	1.25	2.5	3.75	5.0						
Active power kW	0.875	1.75	2.625	3.5						
Dimensions mm (WxHxD)	485.5 x 266 x 600									
Weight kg	23.5	34	43	53						
Battery	Internal (External optional)									



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