

Kohler PW 8000DPA is ideal for low to medium, high density critical power protection applications.

For more information call +65 6302 0702 or visit www.kohlerups.com

Kohler PW 8000DPA ST (Tower)

Up to 10 UPS modules

Customer inputs and volt-free outputs

RS232 Serial interface

Maintenance bypass switch

Slot for optional SNMP card

AC input terminals

AC output terminals

Battery terminal rail



Kohler PW 8000DPA

Capacities from 10 kVA to 200 kVA in 10 kVA or 20 kVA modular steps

Available as Tower (ST) or 19" rack-mountable (RI) solutions

Fully rated output power (Blade Friendly); 20 kVA = 20 kW

N+1 Redundancy (up to 180 kVA N+1)

Transformerless technology

'Six nines' (99.9999%) availability

Up to 95.5% efficiency across a wide load range

Low carbon footprint

Near unity input power factor at partial and full loads (PF=0.99 @ 100% load)

Low input harmonic distortion (THDi<3%)

Online double conversion technology

Using proven Decentralised Parallel Architecture (DPA™) technology, the Kohler PW 8000DPA combines true 'hot-swap' modularity with class leading efficiency, maximum availability, flexibility and low cost of ownership.

Maximum availability

Key benefits

Six nines availability 99.9999%

Kohler PW 8000DPA provides class leading 'six nines' (99.9999%) availability by uniquely combining the benefits of decentralised parallel architecture (DPA), parallel redundancy and 'hot-swap' modularity to ensure 24/7 power availability.

The ability to 'hot-swap' modules, without risk to the critical load, significantly reduces the system's mean time to repair (MTTR) further increasing power availability.

The right solution

Kohler PW 8000DPA is available in two different versions:

Kohler PW 8000DPA ST (Tower)

Kohler PW 8000DPA RI (19" rack-mountable)

Kohler PW 8000DPA ST (Tower) is available for high density applications requiring a standard power protection solution including; frame, UPS, battery and communication. This solution delivers power protection from 10 kVA to 200 kVA (180 kVA N+1) in 10 kVA or 20 kVA modular steps to provide a maximum power density of 472 kW/m².

Kohler PW 8000DPA RI (19" rack-mountable) solution including: UPS, battery and communication, which can be integrated into any 19" rack (independent of manufacturer) and provides up to 80 kVA (60 kVA N+1) making it ideal for integrated IT, telecom or other applications.

See diagrams for details.

Advanced Decentralised Parallel Architecture (DPA)

Key benefits

Distributed control and power

Independent hot-swap modules

No single points of failure

Decentralised Parallel Architecture (DPA) means each UPS module contains all the hardware and software required for full system operation. They share no common components so a DPA parallel system offers extremely high availability. In addition, potential single points of failure are eliminated and system uptime is maximised. Kohler PW 8000DPA UPS modules can be paralleled to provide redundancy (parallel redundancy) or to increase the system's total capacity.

Easy to replace 'hot-swap' modules

Key benefits

Replace or add modules with no downtime

Cost effective scalability & 'right-sizing'

Simple power upgrade

Future proof investment

True 'hot-swap' modularity enables the safe removal and/or insertion of UPS modules into a Kohler PW 8000DPA system without risk to the critical load and without the need to either transfer the critical load onto raw mains or remove power from the critical load. This directly addresses today's requirement for continuous uptime, reducing mean time to repair (MTTR).



High reliability

Key benefits

Reliability maximised

Automatic parallel redundant operation

Parallel redundant (N+1) UPS systems provide the highest level of reliability by ensuring that the number of UPS modules in a system is a minimum of one (1) over and above the number required (N) to fully support the critical load.

The Kohler PW 8000DPA is designed to automatically operate as a parallel redundant system, ensuring that the critical load always receives the highest level of power protection.

Blade friendly

Key benefits

Supports blade servers

Supports leading power factors

Blade servers typically have a leading power factor, which can present problems to UPS systems, particularly if they are not designed to power such loads. The Kohler PW 8000DPA is designed to power all types of electrical loads, including blade servers. It can provide fully rated output power to power factors in the range of 0.9 leading to 0.8 lagging.

Kohler PW 8000DPA RI (19" Rack-mountable)

UPS modules

Internal battery storage

RS232 Serial interface

Customer inputs and volt-free outputs

Maintenance bypass switch

Slot for optional SNMP card

Battery fuses



Tower and 19" Rack-mountable images not to scale.