

# Kohler PW 5000/TP (10-50 kVA)



Three-phase UPS for midsize server rooms, networks, telecommunication systems and industrial processes.

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## Kohler PW 5000/TP

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Capacities from 10 kVA to 50 kVA  
three phase

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On-line double conversion,  
transformerless technology for high  
reliability

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Parallel capability of up to 20 units

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Intelligent battery management

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95.5% efficiency across a wide load  
range

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Integral batteries

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Near unity input power factor (0.99)

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Low input harmonic distortion  
(THDi <3%)

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Small footprint and low weight

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Ergonomic design for easy serviceability

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Energy saving and low carbon footprint

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Extended autonomy with matching  
battery cabinets

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A true on-line, double-conversion, VFI (voltage frequency independent) UPS that provides enhanced power protection in a compact format.

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**Its outstanding price and performance deliver the best value for money in its category with uncompromised system reliability and power availability.**



## Flexible battery configuration

Optimal sizing of battery capacity

10–50 kVA with different sized cabinets

Extended autonomy with matching battery cabinets

Kohler PW 5000/TP is available in three cabinet sizes, enabling you to choose the ideal capacity and required autonomy for your critical load. The smaller 10-25 kVA units are available in two cabinet sizes, dependent on the required level of autonomy, with the larger units (25–50 kVA) available in a third cabinet size, which can house both 7/9 Ah and 28 Ah batteries.

Additional battery cabinets that match perfectly with the UPS for scaling autonomy time.

## Highest load availability

Productivity maximised, 'downtime' minimised

Paralleled systems are designed to ensure availability by significantly increasing system redundancy. In the case of a power failure, should a UPS unit fail, the remaining units are still able to continue to support the critical load. Redundant paralleled systems also enable regular maintenance to be carried out on the system without any requirement to remove the critical load from conditioned power.

## High efficiency for lowest lifetime costs

High efficiency at partial and rated loads

Low carbon footprint

With a transformerless design and Energy Saving Inverter Switching (ESIS) technology, Kohler PW 5000/TP delivers efficiency at partial and rated loads (up to 95.5%). This level of efficiency dramatically reduces the total cost of ownership of the UPS during its lifecycle.

Ripple-free and optional temperature controlled battery chargers protect batteries and extend the lifetime performance, further reducing running costs.

These benefits combine to make the Kohler PW 5000/TP a truly eco-friendly solution for all power protection requirements.

## Space saving

Reduced footprint

Valuable floor space maximised

With a footprint of only 0.4m<sup>2</sup> at 50 kVA, the Kohler PW 5000/TP has a power density of up to 100 kW/m<sup>2</sup>. As a result, substantial and valuable space savings are achieved even at the highest power ratings.

LCD display

Output contacts and SNMP card (optional)

Customer inputs  
RS232 interface

Rectifier and  
bypass fuses

Batteries

Battery fuses

Maintenance  
bypass switch

Parallel isolator

Battery containment

Input/output connection



**UPS cabinet A (10–20 kVA)**



Dimensions (W x D x H)  
345 x 710 x 720 mm

**Weight without battery**

10 kVA: 60 kg  
15 kVA: 62 kg  
20 kVA: 64 kg

**Weight with 48 x 7/9 Ah battery**

10 kVA: 180 kg  
15 kVA: 182 kg  
20 kVA: 184 kg

**UPS cabinet B (10–25 kVA)**



Dimensions (W x D x H)  
345 x 710 x 1045 mm

**Weight without battery**

10 kVA: 88 kg  
15 kVA: 90 kg  
20 kVA: 92 kg  
25 kVA: 94 kg

**Weight with 96 x 7/9 Ah battery**

10 kVA: 328 kg  
15 kVA: 330 kg  
20 kVA: 332 kg  
25 kVA: 334 kg

**UPS cabinet C (25–50 kVA)**



Dimensions (W x D x H)  
440 x 910 x 1420 mm

**Weight: 7/9 Ah cabinet without battery**

25 kVA: 151 kg  
30 kVA: 160 kg  
40 kVA: 165 kg  
50 kVA: 170 kg

**Weight: 28 Ah cabinet without battery**

25 kVA: 135 kg  
30 kVA: 145 kg  
40 kVA: 150 kg  
50 kVA: 155 kg

**Weight with 144 x 7/9 Ah battery**

25 kVA: 540 kg  
30 kVA: 550 kg  
40 kVA: 555 kg  
50 kVA: 560 kg

**Weight with 48 x 28 Ah battery**

25 kVA: 605 kg  
30 kVA: 615 kg  
40 kVA: 620 kg  
50 kVA: 625 kg



**Available in three different cabinet sizes**

Cabinet A: 10 – 20 kVA

Cabinet B: 10 – 25 kVA

Cabinet C: 25 – 50 kVA



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