

PowerWAVE 9000DPA

(30–50 kVA)

Parallelable up to 1.5 MVA

Technical Specification



PowerWAVE 9000DPA

General data

System power range	30–1500 kVA
Max power per module	30 kVA / 40 kVA / 50 kVA
Max power per frame	250 kVA
Number of UPS modules in each frame	1 to 5
Weight (with modules/without batteries)	421–439 kg
Dimensions (mm) W x D x H	730 x 800 x 1975
Topology	Online double conversion
Parallel configuration	Up to 30 modules
UPS type	Modular (Decentralised Parallel Architecture)

Input

Nominal input voltage	3 × 380 / 220 V + N, 3 × 400 / 230 V + N, 3 × 415 / 240 V + N
Voltage tolerance (referred to 3 × 400 / 230 V)	For loads <100% (-25%, +15%), <80% (-30%, +15%), <60% (-40%, +15%)
Input distortion THDi	<3% @ 100% load
Frequency	30–70 Hz
Power factor @ 100% load	0.99

Output

Output power factor	0.8
Rated output voltage	3 × 380 / 220 V + N, 3 × 400 / 230 V + N, 3 × 415 / 240 V + N
Voltage distortion (referred to 3 × 400 / 230 V)	<±2% with linear load
Frequency	50 Hz or 60 Hz
Overload capability	1 min.: up to 150% / 10 min.: up to 125%
Unbalanced load	100% (all three phases regulated independently)
Crest factor	3 : 1 (load supported)

Efficiency

Overall efficiency	Up to 95.5%
In eco-mode configuration	99%

Environment

Storage temperature	-25°C to +70°C
Operating temperature	0°C to +40°C
Altitude	1000 m without derating

Battery

Battery capacity	Configurable up to several hours
Internal batteries	240 x 7/9 Ah (150 frame) / External batteries only (250 frame)

Communications

LCD	Yes (per module)
LEDs	LED for notification and alarm
Communication ports U	SB, RS-232, SNMP slot, potential-free contacts

Standards

Safety	IEC / EN 62040-1
Electromagnetic compatibility (EMC)	IEC / EN 62040-2
Performance	IEC / EN 62040-3
Manufacturing	ISO 9001, ISO 14001, OHSAS18001
Product certification	CE
IP rating	IP 20



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KOHLER POWER
uninterruptible

Woodgate, Bartley Wood Business Park,
Hook, Hampshire RG27 9XA

Tel: 01256 386700

Fax: 01256 386701

Email: uksales.ups@kohler.com

www.kohler-ups.co.uk