

# PowerWAVE 9250DPA

(50–300 or 250 N+1 kVA/kW)

## Technical Specification



# PowerWAVE 9250DPA

## General data

System power range	50–1,500 kVA
Nominal power per module	50 kW
Nominal power / frame	300 kW or 250kW (N+1)
Number of UPS modules	5 + 1
Topology	Online double conversion
Parallel configuration	Up to 30 modules
Cable entry	Top or bottom
Output power factor	1.0
Serviceability	Front access
Back-feed protection	Built-in as standard
<b>Input</b>	
Nominal input voltage	380/400/415 VAC
Voltage tolerance % (applicable for 400 V nominal voltage)	Load ≤ 100% (-10%, +15%) Load ≤ 80% (-20%, +15%) Load ≤ 60% (-30%, +15%)
Current distortion THDi	<3%
Frequency range	35–70 Hz
Power factor	0.99
Walk in/soft start	Yes
<b>Output</b>	
Rated output voltage	380/400/415 VAC
Voltage tolerance (referred to 400 V)	±2.0%
Voltage distortion THDU	<2.0%
Frequency	50 or 60 Hz (selectable)
Output power factor	1.0
<b>Efficiency</b>	
Module efficiency	Up to 97.6%
Overall system efficiency	Up to 97.4%
In eco-mode	Up to 99%

## Environment

Protection rating	IP 20 (IP 21 optional)
Storage temperature	-25°C to +70°C
Operating temperature	0°C to +40°C
Altitude (above sea level)	1,000 m w/o derating

## Batteries

Types	VRLA, open cells, NiCd and Li-Ion
Battery charger	Decentralised charger per module

## Communications

User interface	Graphical touch screen (one per frame as standard) Decentralised LCD and mimic diagram (one per module as standard)
Communication ports	Communication ports USB, RS-232, potential-free contacts, SNMP (optional)
Customer interface	Remote shutdown, gen-set interface, external bypass contact

## Compliance

Safety	IEC / EN 62040-1
EMC	IEC / EN 62040-2
Performance	IEC / EN 62040-3
Manufacturing	ISO 9001:2015, ISO 14001:2015, OHSAS18001

## Weight/Dimensions

Weight (without modules/ without batteries)	270 kg
Weight (per module)	66 kg
Dimensions (mm) W x D x H	795 x 943 x 1978



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