

PowerWAVE 8000DPA

(10–20 kVA/kW)

Parallelable up to 400 kVA/kW

Technical Specification



PowerWAVE 8000DPA ST

General data	ST40	ST60	ST80	ST120	ST200
System power range	10–400 kVA/kW				
Max power per module	10–20 kVA/kW				
Max power per frame	40 kVA/kW	60 kVA/kW	80 kVA/kW	120 kVA/kW	200 kVA/kW
Number of UPS modules per cabinet	1 to 2	1 to 3	1 to 4	1 to 6	1 to 10
Max. number of inbuilt batteries (7/9 Ah)	80	240	–	–	–
Topology	Online double conversion				
Maximum number of parallel cabinets	4		3		2
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% (-23%, +15%), <80% (-30%, +15%), <60% (-40%, +15%)				
Input distortion THDi @ 100% load	<4% (10 kW module), <3% (20 kW module),				
Frequency	35 –70 Hz				
Power factor	0.99 @ 100% load				
Output					
Output power factor	1.0				
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)	<1.5% 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	98%				
Environment					
Storage temperature	-25 °C to +70°C (cabinet), -20°C to +40°C (batteries)				
Operating temperature	0 °C to +40°C				
Altitude configuration	1000 m without derating				
Communications					
LCD	Yes (per module); system display optional (graphical touch screen display)				
LEDs	LED for notification and alarm				
Communication ports	USB, 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				
Product certification	CE				
Manufacturing	ISO 9001, ISO 14001, OHSAS18001				
Degree of protection	IP20				
Weight/Dimensions					
Weight (with modules/without batteries)	Up to 136 kg	Up to 238 kg	Up to 169 kg	Up to 263 kg	Up to 389 kg
Dimensions (mm) W x D x H	550 x 770 x 1135	550 x 770 x 1975	550 x 770 x 1135	550 x 770 x 1975	550 x 770 x 1975

PowerWAVE 8000DPA RI

General data	RI10	RI11	RI12	RI20	RI22	RI24	RI40
Max power per module	10–20 kVA/kW						
Max power per frame	20 kVA/kW	20 kVA/kW	20 kVA/kW	40 kVA/kW	40 kVA/kW	40 kVA/kW	80 kVA/kW
UPS modules	1	1	1	1 to 2	1 to 2	1 to 2	1 to 4
Maximum number of inbuilt batteries (7/9 Ah)	–	40	80	–	80	160	–
Output power factor	1.0						
Topology	Online double conversion						
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%						
Frequency	35–70 Hz						
Power factor	0.99						
Output							
Rated output voltage	3 × 380 / 220 V + N, 3 × 400 / 230 V + N, 3 × 415 / 240 V + N						
Voltage distortion	<1.5% linear load						
Frequency	50 Hz or 60 Hz						
Overload capability	1 min.: 150% / 10 min.: 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	98%						
Environment							
Storage temperature	-25°C to +70°C (cabinet)/-20°C to +40°C (batteries)						
Operating temperature	0°C to +40°C						
Altitude configuration	1000 m without derating						
Communications							
LCD	Yes (per module)						
LEDs	LED for notification and alarm						
Communication ports	USB, 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						
Product certification	CE						
Manufacturing	ISO 9001, ISO 14001, OHSAS18001						
Weight/Dimensions							
Weight (with modules/without batteries)	Up to 39 kg	Up to 62 kg	Up to 78 kg	Up to 68 kg	Up to 109 kg	Up to 136 kg	Up to 136 kg
Dimensions (mm) W x D x H	448 x 735 x 310 (7 HU)	448 x 735 x 487 (11 HU)	448 x 735 x 665 (15 HU)	448 x 735 x 440 (10 HU)	448 x 735 x 798 (18 HU)	448 x 735 x 1153 (26 HU)	448 x 735 x 798 (18 HU)

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