

PowerWAVE 3000/TP

(10 & 20 kVA)

Parallelable up to 80 kVA

Technical Specification

PowerWAVE 3000/TP

General data	10 kVA	10 kVA (5 min)	10 kVA (16 min)	20 kVA	20 kVA (5 min)
Topology	True online double conversion			True online double conversion	
Parallel configuration	Up to 4 units				
Inbuilt batteries	No	Yes	Yes	No	Yes
Input					
Nominal input voltage	1ph + N: 220 / 230 / 240 VAC 3ph + N: 380 / 400 / 415 VAC				
Input voltage tolerance	1ph -230 V: -23%, +15%, 3ph -400 V: -23%, +15%				
Input current THD	< 5% linear load, < 7% non-linear load				
Frequency range	45–55 Hz for 50 Hz systems / 55–65 Hz for 60 Hz system				
Power factor	0.99				
Output					
Output rated power [W]	9 kW			18 kW	
Output power factor	0.9			0.9	
Rated output voltage	220 / 230 / 240 VAC				
Voltage tolerance	± 2%				
Voltage distortion	2 % linear load, 5 % non-linear load				
Overload capability (linear load)	5 min: 105 % ~ 110 %, 1 min: 110% ~ 130 %, 10 s: 130 % ~ 150 %, 25 ms: > 150 %				
Nominal frequency	50 or 60 Hz ± 0.1 Hz				
Crest factor	3:1				
Efficiency					
Overall efficiency	Up to 93.6%				
In eco-mode configuration	Up to 97%				
Environment					
Protection rating	IP 20				
Storage temperature	-15 – +60°C for UPS, 0–35°C for battery				
Operating temperature	0–40°C				
Relative humidity	0–95 % (non-condensing)				
Altitude (above sea level)	1000 m without de-rating				
Batteries					
Type	VRLA, vented lead-acid				
Inbuilt batteries	-	1x 24	2 x 24	-	2 x 24
Battery capacity	-	9 Ah	9 Ah	-	9 Ah
Charging current	4 A	4 A	4 A	4 A	4 A
Recharge time	-	3 h to 90%	up to 8 h to 90%	-	8 h to 90%
Communications					
User interface	LCD display				
Communication cards (option)	Network interface (SNMP card), dry-contact card (AS400)				
Standards					
Safety	IEC / EN 62040-1				
EMC	IEC / EN 62040				
Performance	IEC / EN 62040-3				
Manufacturing	ISO 9001, ISO 14001				
Weight /Dimensions					
Weight	56 kg	117 kg	177 kg	66 kg	187 kg
Dimensions (mm) W x D x H	350 x 712 x 890				



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