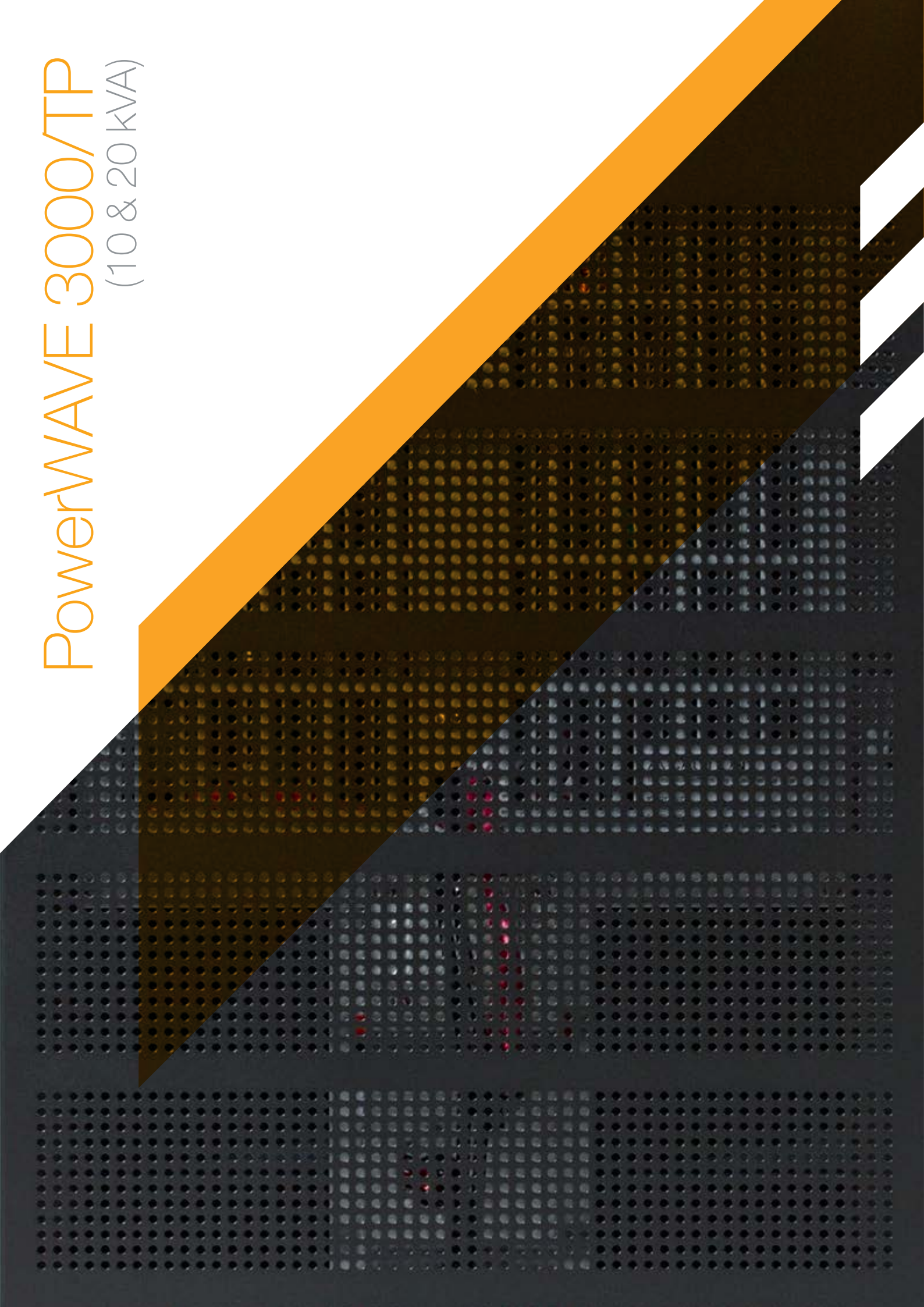
PowerWAVE 3000/TP

(10 & 20 kVA)



PowerWAVE 3000/TP

General data	10 kVA	10 kVA (5 min)	10 kVA (16 min)	20 kVA	20 kVA (5 min)
Output rated power [W]	9 kW			18 kW	
Output power factor	0.9			0.9	
Topology	True online double conversion			True online double conversion	
Parallel configuration	Up to 4 units			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					
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					
AC-AC	Up to 93.6 %				
In eco-mode	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 9001:2008, ISO 14001:2004				
Weight /Dimensions					
Weight	56 kg	117 kg	177 kg	66 kg	187 kg
Dimensions W × H × D (mm)	350*890*712	350*890*712	350*890*712	350*890*712	350*890*712

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