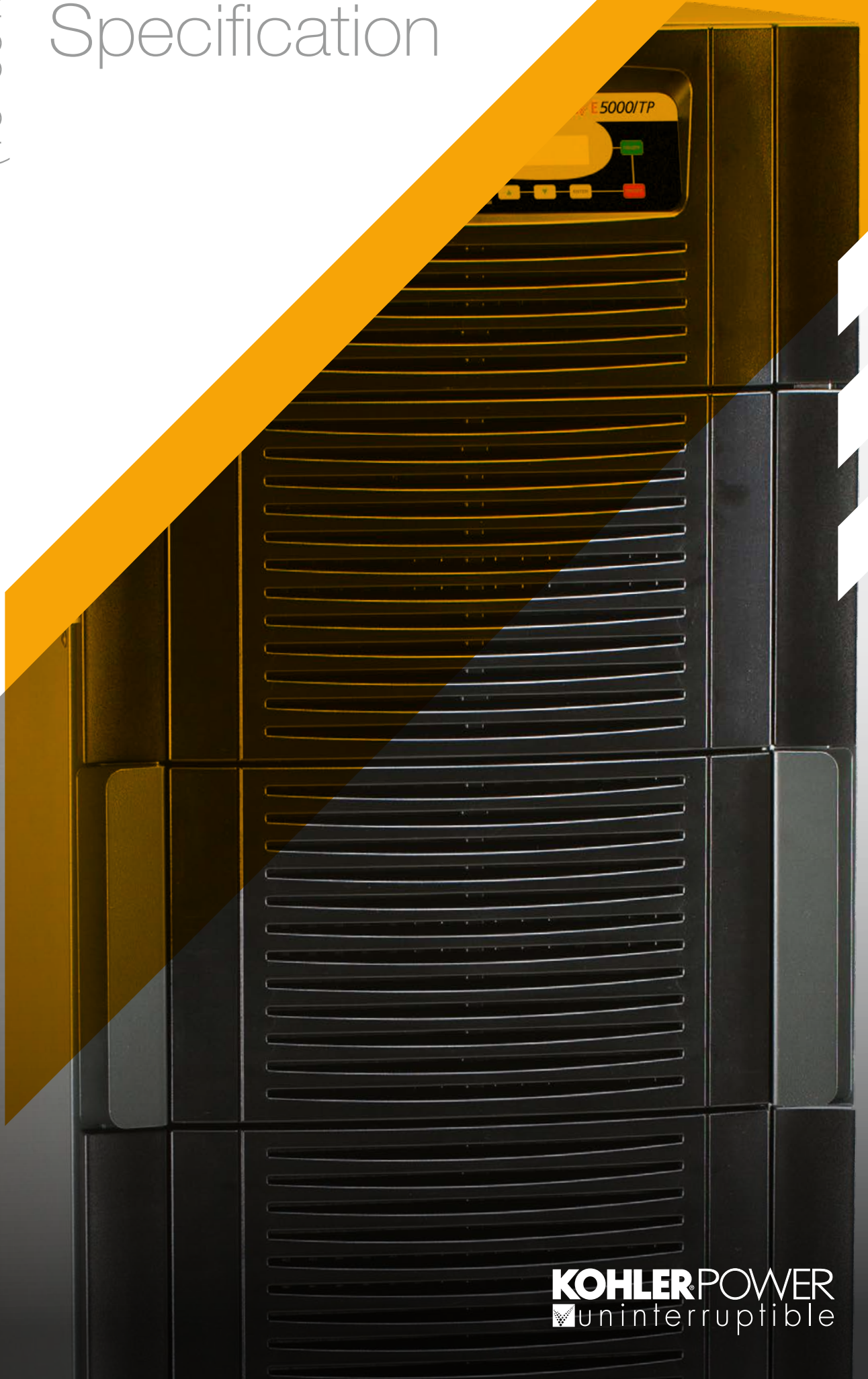


# PowerWAVE 5000/TP (10–50 kVA)

## Technical Specification



# PowerWAVE 5000/TP

General data	10 kVA	15 kVA	20 kVA	25 kVA	30 kVA	40 kVA	50 kVA
Topology	True online double conversion						
Parallel configuration	Up to 20 units						
Integral batteries	Yes						
<b>Input</b>							
Nominal input voltage	3 x 380 / 220 V + N, 3 x 400 V / 230 V + N, 3 x 415 / 240 V + N						
Voltage tolerance	(-23%/+15%) 3 x 308/177 V to 3 x 460/264 V for <100% load						
Input distortion THDi	3.0% @ 100% load						
Frequency range	35–70 Hz						
Power factor	0.99 @ 100% load						
<b>Output</b>							
Output rated power	9 kW	13.5 kW	18 kW	22.5 kW	27 kW	36 kW	45 kW
Output power factor	0.9						
Rated output voltage	3 x 380 / 220 V + N, 3 x 400 / 230 V + N, 3 x 415 / 240 V + N						
Voltage tolerance	1% static, 4% dynamic						
Voltage distortion	< 2% with linear load, < 4% with non-linear load						
Overload capability (0.9 p.f)	10 min: 110% load, 1 min: 130% load						
Nominal frequency	50 or 60 Hz						
Crest factor	3:1						
<b>Efficiency</b>							
Overall efficiency	Up to 95.5%						
In eco mode configuration	Up to 98%						
<b>Environment</b>							
Protection rating	IP 20 (IP 21 option)						
Operating temperature	0°C–40°C						
Positional clearances	Front: 900 mm minimum						
	Left: 600 mm minimum						
	Right: 600 mm minimum						
	Rear: 200 mm minimum for cooling, 600 mm minimum for service						
Input & output power cabling accessibility	Cabled at the rear (A and B cabinets only)				–		
	–			Cabled at the front (C cabinets only)			
Relative air humidity	Up to 95% (non condensing)						
<b>Batteries</b>							
Min/max number of 12V blocks per string	22–50	32–50	32–50	40–50	24–50	32–50	40–50
Charging current	4 A				6 A		
Battery type	Maintenance free VRLA or NiCd						
<b>Standards</b>							
Safety	IEC/EN 62040-1-1:2003, IEC/EN 60950-1:2001/A11:2004						
EMC	IEC/EN 62040-2:2005, IEC/EN61000-3-2:2000, IEC/EN61000-6-2:2001						
Performance	IEC/EN62040-3:2001						



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