TPTT_1 Tower Online UPS

- True double-conversion
- DSP technology guarantees high reliability
- Output power factor PF = 1
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- **ECO mode** operation for energy saving
- Emergency power off function **(EPO)**
- ***Optional*** parallel operation
- Smart battery charger to optimize perfomance
- Maintenance bypass available
- Adjustable battery design

MODEL		TPTT_1 10k	TPTT_1 20k	TPTT_1 30k	TPTT_1 40k
PHASE		1φ:1φ / 3φ:1φ / 3φ:3φ		3φ:1φ / 3φ:3φ	
CAPACITY	kVA	10	20	30	40
	kW	10	20	30	40
Input					
Nominal Voltage (VAC)		80-280 (L-N) / 138-485 (L-L)			
Bypass voltage (VAC)		380/400/415: -20%/-15%			
Frequency Range (Hz)		40-70			
Power Factor		≤0.99			
THDI		≤3%			
Output					
Output Voltage (VAC)		L-N: 220/230/240±1% L-L: 380/400/415±1%			
Power Factor		1			
Frequency Range (Hz)		50/60±0.1			
THDu		≤1% linear load; ≤3% nonlinear load			
Waveform		Pure Sinewave, THD<1% linear			
Overload		100-110% for 60mins; 130% for 10mins; 155% for 1min; >155% for 200ms			
Power Factor		1			
Efficiency					
AC Mode		97%			
ECO Mode		98%			
Battery					
Battery voltage (VDC)		±96-±240 adjustable	±144-±240 adjustable		
Charging current (max)		1-10A adjustable		1-20A adjustable	
Standard configuration		7-9Ah/12V			
Miscellaneous					
Communications		RS485, MODBUS, dry contacts **(optional RS232 e SNMP card)**			
Display		Touch screen + LED			
Alarms		Battery low level, overload, lockout/fault, abnormal input, ecc.			

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Mod. 508199 1 0

Protections	Battery low level, short-circuit, overload, overtemperature, ecc.	
Noise (DB)	<55	
Temperature (°C)	-5/40°C	
Humidity	0-95% RH	
Dimension (LxWxH) (mm)	250x755x880	300x785x1250
Weight (kg)	143	240
Certifications		
Standard	EN IEC 62040-1, EN IEC 62040-2, EN IEC 62040-3, EN IEC 63000:2018, Dir. 2014/35/EU, Dir. 2014/30/EU, Dir. 2011/65/EU	

PowerMe reserves the right to modify technical specifications without prior notice.

PowerME recommends the use of energy-efficient and environmentally friendly solutions, when used correctly and in accordance with the specifications stated in the technical data sheets and user manuals. Warranty coverage is subject to proper usage as described in those documents.

PowerME also recommends compliance with all applicable regulations and safety standards regarding professional qualifications and workplace safety during installation, commissioning, and maintenance of the provided technological solutions.

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