

TPTT_1 Tower Online UPS



- True double-conversion
- DSP technology guarantees high reliability
- Output power factor 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 battery perf.
- Maintenance bypass available
- Adjustable battery design
- Adjustable charging current only for $\geq 100K$
- **OPTIONAL** 10" touch LCD only available for $\geq 100K$

MODEL		TPTT_1 10k	TPTT_1 15k	TPTT_1 20k	TPTT_1 30k	TPTT_1 40k	TPTT_1 60k	TPTT_1 80K
PHASE		3 phase in / 3 phase out						
CAPACITY	kVA	10	15	20	30	40	60	80
	kW	10	15	20	30	40	60	80
Input								
Nominal Voltage		3 x 400VAC (3φ+N)						
Voltage Range		305-478VAC (3φ) at 100% load 190-520VAC (3φ) at 50%load						
Frequency Range		46-54Hz or 56 -64Hz						
Power Factor		≥ 0.99 @ full load						
Output								
Output Voltage		3 x 360/380/400/415VAC (3φ+N)						
AC Voltage Regulation (batt mode)		±1%						
Frequency Range (Synchronized Range)		46-54Hz or 56-64Hz						
Frequency range (Batt mode)		50Hz ± 0.1 or 60Hz ± 0.1						
Crest Ratio		3:1						
THDu		≤2% linear load; ≤4% nonlinear load						
Transfer Time	MAIN to BAT	0ms						
	INV to BYP	0ms						
Waveform (Batt. Mode)		Pure Sinewave						
Oveload	AC mode	100-110% for 10min, 110-130% for 1 min, >130% for 1 sec						
	Batt mode	100-110% for 30secs, 110-130% for 10secs, >130% for 1 sec						
Parallel capacity		Up to 3 units in parallel						
Efficiency								
AC Mode		≥95.5%						
ECO Mode		98,5%						
Battery Mode		≥94.5%						

Battery							
Standard Model	Battery Type	12V SLA AGM				N/A	
	Quantity	(10+10) pcs x 1 strings		(16+16) pcs x 2 strings			
	Recharge Time	9 hours recovers to 90% capacity					
	Charging Current (max)	1/12A (Adjustable)					
	Charging voltage	±136.5VDC ±10%		±218VDC ±10%			
Long-run Model	Battery type	Suitable to the application					
	Quantity	20pcs		32-40pcs (adjustable)		32-40pcs (adjustable)	
	Charging current (max)	1/12A (Adjustable)		2/24A (Adjustable)		2/24A (Adjustable)	
	Charging Voltage	±13.65 x N (N=16-20)					
Indicators							
LCD Display		UPS status, load level, battery level, input/output voltage, discharge timer and fault conditions					
Physical							
Standard Model	Dimension DxWxH (mm)	626x250x750		815x300x1000		N/A	
	Net Weight (kgs)	125	140	225	250		
Long-run Model	Dimension DxWxH (mm)	626x250x750		815x300x1000		790x360x1010	
	Net Weight (kgs)	30	45	60	61	108	113
Environment							
Humidity		<95% RH (Non-condensing)					
Temperature		0-40°C					
Noise level		<55 dBA @ 1m	< 58 dBA @ 1m	<65 dBA @ 1m	<70 dBA @ 1m		<75 dBA @ 1m
Management							
Smart RS232/USB		Support Windows, Linux and Mac os					
Optional SNMP		Power management from SNMP manager and web browser					

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.