

TPTM1 Tower Online UPS



- True Double-Conversion
- Power Factor PF = 1
- Input Power Factor Correction
- Wide Input Voltage Range
- GE compatible
- 3-stage charging design for optimized performance
- EPO function (Emergency Power Off)
- SNMP+USB+RS-232 multiple communication
- Multifunctional LCD
- **OPTIONAL** Maintenance Bypass Switch
- **OPTIONAL** Parallel operation

MODEL		TPTM1 3/1 - 15K	TPTM1 3/1 - 20K
PHASE		3 phase in / 1 phase out	
CAPACITY	VA	15000	20000
	W	15000	20000
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	
THDi		<6% @ 100% load	
Output			
Output Voltage		208/220/230/240VAC	
AC Voltage Regulation		± 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% THD (Linear Load); ≤ 5% THD (Non-linear Load)	
Transfer Time	MAIN to BAT	0ms	
	INV to BYP	0ms	
Waveform (Batt. Mode)		Pure Sinewave	
Power Factor		1	
Efficiency			
AC Mode		91.8%	92%
Eco Mode		≥98%	
Battery			
Standard Model	Battery Type	12V/9Ah	
	Quantity	20pcs (18-20 pcs adjustable)	
	Recharge Time	9 hours recover to 90% capacity	
	Charging Current (max)	2.0A	
	Float Charging voltage	273VDC ± 1% (based on 20pcs batteries)	

Long-run Model	Battery type	Depending on applications	
	Quantity		
	Charging current (max)	8A	12A
	Charging Voltage	273VDC ± 1% (based on 20pcs batteries)	
Indicators			
LCD Display	UPS status, load level, battery level, input/output voltage, discharge timer and fault conditions		
Alarm			
Battery mode	Sounding every 4 seconds		
Low battery	Sounding every second		
Overload	Sounding twice every second		
Fault	Continuously sounding		
Physical			
Standard Model	Dimension DxWxH (mm)	815x250x826	815x300x1000
	Net Weight (kgs)	165	235
Long-run Model	Dimension DxWxH (mm)	592x250x576	815x250x826
	Net Weight (kgs)	40	65
Environment			
Humidity	0-95% RH @ 0-40°C (Non-condensing)		
Noise level	Less than 58 dBA @ 1m	Less than 60 dBA @ 1m	
Management			
Smart RS232/USB + EPO	Support Windows, Linux and Mac os		
Optional SNMP	Power management from SNMP manager and web browser		
Standards	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.