



- Ⓢ True Double-Conversion & phase auto adapt function
- Ⓢ DSP Technology
- Ⓢ Active Power Factor Correction
- Ⓢ 50Hz to 60 Hz converter mode
- Ⓢ Wide Input Voltage Range
- Ⓢ Generator compatible
- Ⓢ 3-stage extendable charging design for optimized battery performance
- Ⓢ EPO function (Emergency Power Off)
- Ⓢ SNMP+USB+RS-232 multiple communication
- Ⓢ Multifunctional LCD
- Ⓢ Maintenance Bypass Switch

Model TPTM9	3/1-10K (L)	3/1-10K ISO (L)	3/1-15K (L)	3/1-20K (L)	3/1-20K ISO L	3/1-30K (L)
PHASE	3-phase in / 1-phase out					
CAPACITY	10000 VA/9000 W	10000 VA/9000 W	15000 VA/13500 W	20000 VA/18000 W	20000 VA/18000 W	30000VA/27000W
INPUT						
Nominal Voltage	3 x 400 VAC (3Ph+N)					
Voltage Range	305-478 VAC (3-phase) at 100% load ; 190-520 VAC (3-phase) at 50% load					
Frequency Range	46-54Hz or 56-64Hz					
Power Factor	≥ 0.99 @ 100% Load					
THDi	< 6% @ 100% load					
OUTPUT						
Output Voltage	208/220/230/240VAC	104/110/115/120VAC or 208/220/230/240VAC	208/220/230/240VAC	104/110/115/120VAC or 208/220/230/240VAC	208/220/230/240VAC	208/220/230/240VAC
AC Voltage Regulation (Batt. Mode)	± 1%					
Frequency Range (Synchronized Range)	46-54Hz or 56-64Hz					
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz					
Current Crest Ratio	03:01					
Harmonic Distortion	≤2 % THD (Linear Load) ≤5 % THD (Non-linear Load)	≤2 % THD (Linear Load) ≤6% THD (Non-linear Load)	≤ 2 % THD (Linear Load) ≤ 5 % THD (Non-linear Load)	≤2 % THD (Linear Load) ≤7% THD (Non-linear Load)	≤2 % THD (Linear Load) ≤5% THD (Non-linear Load)	≤2 % THD (Linear Load) ≤5% THD (Non-linear Load)
Transfer Time	AC Mode to Batt. Mode	Zero				
	Inverter to Bypass	Zero				
Waveform (Batt. Mode)	Pure Sinewave					
EFFICIENCY						
AC Mode	89%	85%	89%	89%	87%	89%
Battery Mode	86%	83%	88%	87%	83%	87%

BATTERY								
Standard Model	Battery Type	12 V / 9 Ah						
	Numbers	20 pcs (18 - 20 pcs adjustable)*			20 pcs (18 - 20 pcs adjustable)* x 2 strings		N/A	20pcs(18-20pcs adjustable)*x3stringsg
	Typical Recharge Time	9 hours recover to 90% capacity					N/A	9 hours recover to 90% capacity
	Charging Current (Max.)	1A	1A	2A	2A	N/A		2A
	Charging Voltage	273 VDC ± 1% (Based on 20pcs batteries)						
Long-run Model	Battery Type	Depending on applications						
	Numbers	Depending on applications						
	Charging Current (Max.)	4A	4A	8A	8A	8A	12A	
	Charging Voltage	273 VDC ± 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)	592 x 250 x 576	592 x 250 x 826	815 x 250 x 826		N/A	815 x 300 x 1000	
	Net Weight (kgs)	83	144	164	164	234		
Long-run Model	Dimension, DxWxH (mm)	592 x 250 x 576	592 x 250 x 826	592 x 250 x 576	592 x 250 x 576	815 x 250 x 826	815 x 250 x 826	
	Net Weight (kgs)	28	91	40	40	141	64	
ENVIRONMENT								
Humidity	0-95 % RH @ 0- 40°C (Non-condensing)							
Noise Level	Less than 58dB @ 1 Meter			Less than 60dB @ 1 Meter				
MANAGEMENT								
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008, Windows 7/8, Linux, Unix, and MAC							
Optional SNMP	Power management from SNMP manager and web browser							