

# MEMO PLUS TOWER II

TOWER SERIES 6 - 10KVA (PF0.9)

Single Phase :Single phase

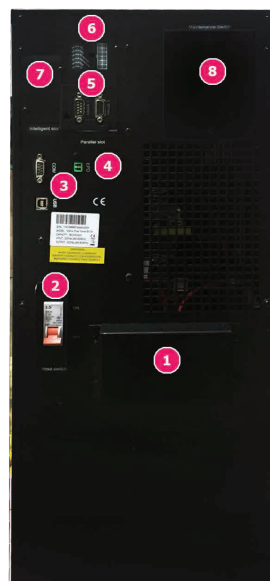


The series has matching  
Battery Cabinet(Optional)



## Features

- N+X Parallel Redundancy
- Online Double Conversion with DSP Control
- Graphic LCD Display with Multifunction Parameter Settings
- Unity Input Power Factor with Low Input Current Distortion
- High Output Power Factor at PF0.9
- Low Input Current Distortion
- Support Generator Input
- Support Economic(ECO) Operation Mode
- Settable Battery Voltage
- Movable Bypass Module
- Matching Battery Pack with Powerful Charger Built-in
- Versatile Communication Interfaces Available
- Cold Start
- Communication Software
- Optional Centralized monitor function
- Settable Charge Current



Rear Panel

## REAR PANEL

1. Terminal Block
2. Breaker Input
3. RS232 and USB Port
4. EPO
5. Parallel Port
6. Dry Contact
7. Intelligent Port(SNMP)
8. Maintenance Switch



Display Panel

## MEMO PLUS TOWER II TOWER SERIES 6-10KVA (PF0.9)

Models		MP TOWER II 6KVA	MP TOWER II 10KVA	
Capacity(VAW)		6KVA/5.4KW	10KVA/9KW	
Input	Phase	Single phase & Ground		
	Rated Voltage	220/230/240VAC		
	Voltage Range	120 - 276Vac		
	Frequency Range	40Hz - 70Hz		
	Power Factor	≥ 0.99		
	Current THDi	≤ 5%(100% non linear load)		
	Bypass Voltage Range	Max.voltage: +15%(optional +5%, +10%, 25%) Min.voltage: -45%(optional -20%, -30%) Frequency protection range: ± 10%		
	ECO Range	same as the bypass		
Generator Input		Support		
Output	Phase	Single phase & Ground		
	Rated Voltage	220Vac ± 1% (static), ± 5%(Dynamic) 220/230/240Vac		
	Power Factor	0.9		
	Voltage Regulation	± 1%		
	Frequency	Utility Mode	± 1%, ± 2%, ± 3%, ± 4%, ± 5%, ± 10% of the rated frequency(optional)	
		Battery Mode	50Hz ± 0.2Hz	
	Crest Factor	3:1		
	THD	≤ 2% with linear load; ≤ 5% with non linear load		
Waveform	Pure Sinewave			
Efficiency		ECO mode 97%; Normal mode ≥ 90%		
Battery	Voltage	192/216/240Vdc (selectable)		
	Capacity(standard unit)	12V7AH	12V9AH	
	Backup Time	15 - 30 Minutes(Standard), Long time unit depends on the capacity of external batteries Estimated remaining time displayed on the LCD		
	Recharge time to 90%-	6 - 8 hours (Standard)		
	Charging Current	1A(Standard unit); charge current can be set according to battery capacity installed)		
	Battery Socket	Hardwire		
Transfer Time		Utility to Battery : 0ms; Utility to bypass: 0ms		
Protection	Overload	AC Mode	Load ≤ 110%; last 3min, ≤ 125%; last 30S, ≤ 150% last 1S, ≥ 150% shut down UPS immediately	
		Bat. Mode	Load ≤ 110%; last 30S, ≤ 125%; last 1S, ≤ 150% last 200ms, ≥ 150% shut down UPS immediately	
		Bypass Mode	40A(Input Breaker)   60A(Input Breaker)	
	Short Circuit	Hold Whole System		
	Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately		
	Battery Low	Alarm and Switch off		
	Self-diagnostics	Upon Power On and Software Control		
	EPO(optional)	Shut down UPS immediately		
Battery	Advanced Battery Management			
Noise Suppression	Complies with EN62040-2			
Alarms		Audible & Visual   Line Failure, Overload, Battery Low, System Fault		
Display	Status LED & LCD	Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault		
	Reading On the LCD	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Inner Temperature & Remaining Battery Backup Time		
Physical	Dimension(W x H x D)mm	250 x 655 x 590		
	Weight (Kg)	70	85	
	Input Connection	Hardwire		
	Output Connection	Hardwire		
External Battery Connection		Hardwire		
Communication Interface		USB, RS485, Parallel Port, SNMP card (optional), Centralized monitoring card (optional)		
Environment	Operating Temperature	0C - 40C		
	Storage Temperature	-25C - 55C		
	Humidity	0 - 95% non condensing		
	Altitude	< 1500m		
Safety Conformance		CE,EN/IEC 62040-2,EN/IEC 62040-1-1		



TIS, 1291 (TYPE 1) 2553  
TIS, 1291 (TYPE 2) 2553  
TIS, 1291 (TYPE 3) 2555

- All specifications subject to change without notice.
- Custom-made specifications are acceptable.
- Manufactured by factory with ISO 9001, ISO 14001, OHSAS 18001, CE, STANDARD