



MEMO TOWER III

1KVA /2KVA /3KVA

True Online UPS 1:1 Phase
High Output Power Factor 0.9 or 1 (Optional)



TELE-COMMUNICATIONS DEVICES



LOCAL AREA NETWORKS (LAN)



E-BUSINESS (Servers Farms, ISP/ASP/POP)



SERVERS



CASH REGISTERS



EMERGENCY SECURITY



ELECTRO-MEDICAL DEVICES

Highlights

- High-frequency technology
- True online double conversion
- Wide input voltage range (110~300Vac)
- Input power factor 0.99 along with PFC
- Output power factor 0.9 or 1 (Optional)*
- Maximum charging current can be increased to 12A (Long-run unit)
- 50Hz/60Hz frequency converter mode
- Emergency Power Off function (EPO)
- Optimize energy usage with ECO Mode operation (ECO)
- Generator Compatible
- Various communication connection: SNMP/USB/S232
- Smart charger built to enhance battery efficiency
- Selectable output voltage: 200, 208, 220, 230, 240Vac
- Low Priority Load Disconnection function
- Charging current can be chosen as either 1A or 2A : The 2A charging current is specifically for charging two sets of batteries



Patented mimic LCD display with multifunction

Parameter Settings

With mimic LCD display, it is easy to get all precious read-out data about the status of the UPS; besides, you may easily set various parameters from the screen.



* PF 1 (Optional)

Your choice of power protection



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LED ICON Display

- Inverter LED (Green)
 Bypass LED (Yellow)
- Battery LED (Yellow)
 Warning LED (Red)



Function Key

- UP > To go to previous selection or turn on the ups
- DOWN > To go to next selection
- ESC/OFF > To exit setting or turn off the ups
- ENTER/ON > To confirm the selection in setting mode or enter setting mode

Operation Mode & Status



Inverter Mode



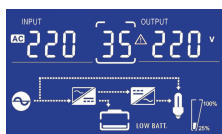
Battery Mode



Frequency



Load



Low Battery



Fault



Environment Temperature



Frequency Setting
(50 or 60Hz)

Line Application - Notification Alert (Optional)

Real time notification via LINE



UPS



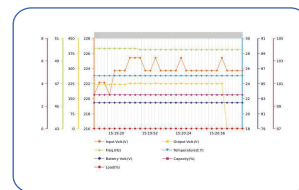
SNMP Card (Optional)



Internet/Sim Router (Optional)

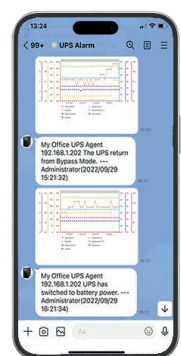


Support Line Application



UPS Events

- The UPS incident scheduled shutdown events.
- The UPS is fail.
- The UPS has entered a test condition.
- The UPS has entered a shutdown state.
- The UPS has entered a voltage-enhanced state.
- The power consumption exceeds the coordinate of the UPS.
- Failed to communicate with the UPS.
- Power off the UPS.
- Power's out.
- The electrical capacity of the battery is low.
- The temperature of the UPS is too high.
- The power capacity of the UPS is low.
- The UPS has entered a Bypass state.



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Front & Rear panel view 1KVA

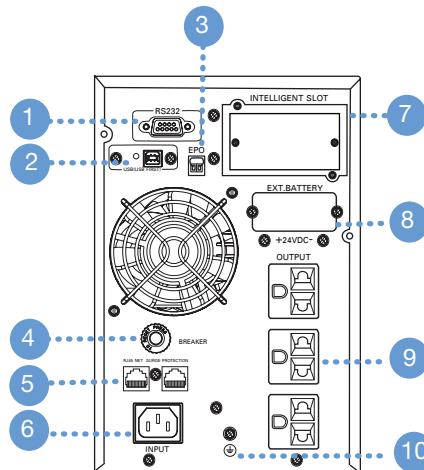


Front & Rear panel view 2-3KVA

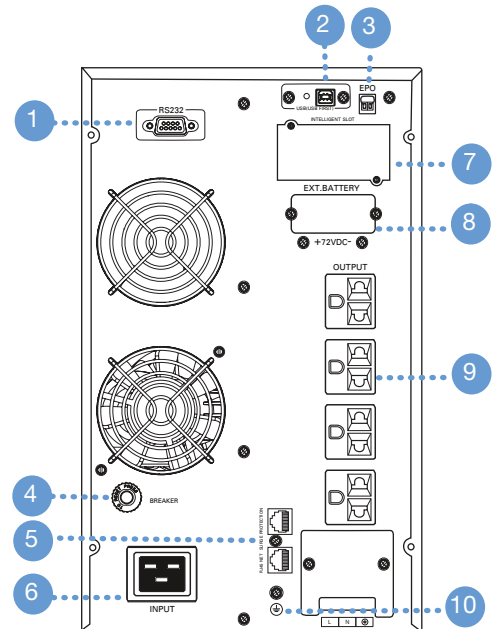


Rear panel view

1. RS-232 communication port
2. USB communication port
3. EPO function connector
4. Input circuit breaker
5. Network /Fax /Modem surge protection
6. AC input
7. SNMP intelligent slot
8. External battery connector (only available for long-run models)
9. Output outlet
10. Ground connector



Rear panel view 1KVA



Rear panel view 2-3KVA

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MODEL		MP III 1K		MP III 1K (H)		MP III 2K		MP III 2K (H)		MP III 3K		MP III 3K (H)	
Capacity	VA	1000				2000				3000			
	Watts	900W or 1000W (Optional)				1800W or 2000W (Optional)				2700W or 3000W (Optional)			
Phase		Single phase & Ground (L, N, G)											
Input													
Nominal Voltage		220Vac : (200/208/220/230/240Vac)											
Operating Voltage range	Low voltage of transferring to bypass	160Vac ±5% @100%~80%load		140Vac ±5% @80%~70%load		120Vac ±5% @70%~60%load		110Vac ±5% @60%~0%load (Ambient temp. <35℃)					
	Low threshold voltage of recovering from bypass	175Vac ±5% @100%~80%load		155Vac ±5% @80%~70%load		135Vac ±5% @70%~60%load		125Vac ±5% @60%~0%load (Ambient temp. <35℃)					
	High voltage of transferring to bypass	300Vac ±5%											
	High threshold voltage of recovering from bypass	290Vac ±5%											
Input Voltage Range		55~150Vac or 110~300Vac @60%load, 80~145Vac or 160~300Vac @ 100%Load											
Operating frequency range		40~70Hz											
Power Factor		0.99											
Generator input		Support											
Output													
Output Voltage		220Vac : (200/208/220/230/240Vac)											
Power Factor		0.9 or 1 (Optional)											
Voltage Regulation		±1%											
Frequency	Line mode(Synchronized range)	47~53Hz or 57~63Hz											
	Batt. mode	(50/60 ±0.1)Hz											
Crest Factor		Support											
Harmonic Distortion (THDv)		≤2% THD (Linear load), ≤4% THD (Non-linear load)											
Waveform		Pure sinewave											
Transfer Time	AC mode <-> Batt.Mode	Zero											
	Inverter <-> Bypass	4ms(Typical)											
EFFICIENCY													
AC Mode		88%				92%				92%			
Battery Mode		85%	86%	85%	86%	87%	88%	87%	88%	89%	90%	89%	90%
BATTERY													
Battery Type		12V9AH		Depends on the capacity of external batteries		12V9AH		Depends on the capacity of external batteries		12V9AH		Depends on the capacity of external batteries	
Number		2	3	2	3	4	6	4	6	6	8	6	8
Backup time		Long-run unit depends on the capacity of external batteries											
Typical recharging time(Standard mode)		4 hours recover to 90% capacity											
Charging voltage		27.4VDC±1%	41.1VDC±1%	27.4VDC±1%	41.1VDC±1%	54.7VDC±1%	82.1VDC±1%	54.7VDC±1%	82.1VDC±1%	82.1VDC±1%	109.4VDC±1%	82.1VDC±1%	109.4VDC±1%
Charging current(max.)		1A/2A		12A max. can be set by LCD		1A/2A		12A max. can be set by LCD		1A/2A		12A max. can be set by LCD	
SYSTEM FEATURES													
Line mode	Ambient temp. <35℃	105%~110%: UPS transfer to bypass after 10m when the utility is normal; 110%~130%: transfer to bypass after 1m when the utility is normal											
Batery mode	35℃<ambient Temp.<40℃	105%~110%: UPS transfer to bypass after 1m when the utility is normal; 110%~130%: transfer to bypass after 5s when the utility is normal >130%: transfer to bypass immediately when the utility is normal											
Short circuit		Hold whole system											
Overheat		Line mode: Switch to bypass; Backup mode: Shut down UPS immediately											
Battery low		Alarm and switch off											
EPO (optional)		Shut down UPS immediately											
Audible & Visual alarms		Line failure, Battery low, Over load,System fault											
Communication interface		USB, RS232, SNMP card(optional), Relay card(optional)											
PHYSICAL													
Dimension W x H x D (mm)		144*209*293	144*209*399	144*209*293		144*209*309	191*337*460	144*209*309		191*337*460		144*209*309	
Net Weight (kg)		9.8	14.4	4	4.1	17	27.1	6.7	6.8	27.6	32.8	7.3	7.4
ENVIRONMENT													
Operating temperature		0~40℃											
Storage temperature		-25℃~55℃											
Humidity range		20~90% RH@0~40℃ (Non-condensing)											
Altitude		<1500m											
Noise Level		Less than 50dBA at 1Meter											
STANDARDS													
Safety		IEC/EN62040-1,IEC/EN60950-1											
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8											