

MP RT III

1KVA - 3KVA

Rack /Tower True on-line UPS

High output power factor 0.9 or 1 (Option)



TELECOM-
MUNICATIONS
DEVICES



LOCAL AREA
NETWORKS
(LAN)



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



SERVERS



CASH
REGISTERS



EMERGENCY
SECURITY



TIS.1291 Part 1-2553
TIS.1291 Part 2-2553
TIS.1291 Part 3-2555

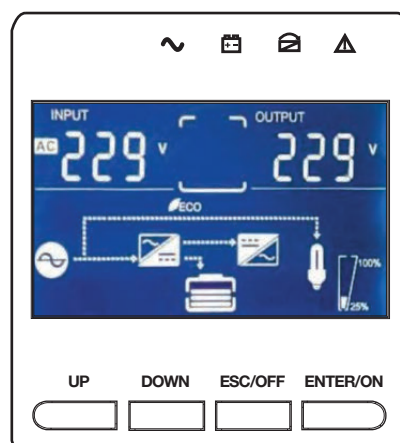
Highlights

- Rack/Tower convertible
- High frequency Technology
- True on-Line (Double Conversion)
- Wide input voltage range (110~300Vac)
- Input power factor 0.99 (With PFC)
- Output power factor 0.9 or 1 (Option)*
- Optional charging current 1A or 2A
Standard unit, 2A charging current is for 2 groups of inside batteries
- Maximum charging current 12A (Long run unit)
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- Eco mode available (ECO)
- Generator compatible
- SNMP/USB/S232 multiple communications
- Smart battery charging design for optimized battery performance
- Selectable output voltage:
200, 208, 220, 230, 240Vac
- Low priority load disconnection function
- 8 minutes backup time standard unit are optional



The Memo RT III convertible double conversion online UPS series, featured with 3-level charging method, high input & output power factors, up to 90% conversion efficiency, superior input voltage window for energy saving, estimated remaining time and ECO mode, is an ideal solution to your computer center, network center, communication system, automatic control system or other critical systems, which is demanding a thorough protection.

Graphies on Display



LCD ICON Display

- | | | | | | |
|---|----------|--------------|---|---------|--------------|
| ~ | Inverter | LED (Green) | ⊞ | Bypass | LED (Yellow) |
| ⊞ | Battery | LED (Yellow) | ⚠ | Warning | LED (Red) |



The LCD Panel can be rotated

Your choice of power protection

MP RT III

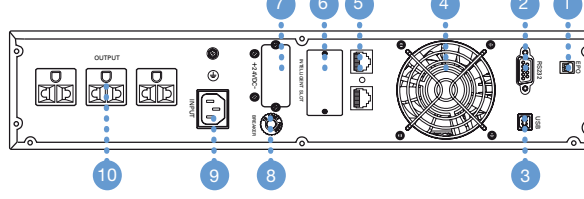
1KVA - 3KVA

High output power factor 0.9 or 1 (Option)

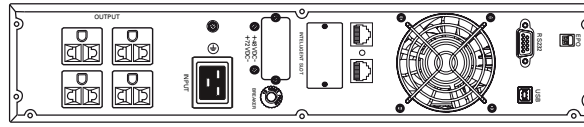


BATTERY CABINET (Optional)

REAR PANEL VIEW 1KVA



REAR PANEL VIEW 2 - 3KVA



Rear panel view

1. EPO (Emergency Power Off)
2. RS-232 Communication port
3. USB communication port
4. Fan
5. Network/Fax/Modem surge Protection
6. SNMP Intelligent slot
7. External battery connector
8. input circuit breaker
9. AC input
10. Output outlet

MODEL		MP RT III 1K	MP RTH III 1K	MP RT III 2K	MP RTH III 2K	MP RT III 3K	MP RTH III 3K			
Capacity	VA	1000		2000		3000				
	Watts	900W or 1000W (Option)		1800W or 2000W (Option)		2700W or 3000W (Option)				
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 (Option)								
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%		88%		90%				
BATTERY										
Battery Type		12V9AH	Depends on the capacity of external batteries		12V9AH	Depends on the capacity of external batteries				
Number		2	2	3	4	4	6	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%	27.4VDC±1%	41.1VDC±1%	54.7VDC±1%	54.7VDC±1%	82.1VDC±1%	82.1VDC±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℃cambient 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)		440*325*86.5		440*460*86.5		440*435*86.5		440*600*86.5/440*460*131		440*435*86.5
Net Weight (kg)		11.3	5.6	5.6	19.1	8.3	8.3	26.2/25.8	8.6	8.6
ENVIRONMENT										
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								



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