

## MEMOPOWER RT- III Series

1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 1kVA~3kVA



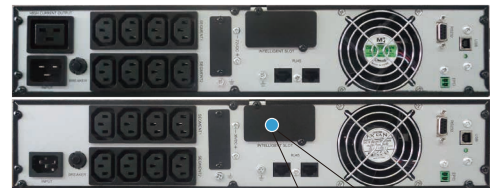
### Features

- Rack/Tower convertible design
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Hot-Swappable battery design
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface: RS232 (USB/EPO/Relay card /SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



Multifunctional bracket

The LCD panel can be rotated



Optional socket

Relay card      SNMP

## Technical Specifications:

MODEL	MP RT 1k H	MP RT 1k S	MP RT 2k H	MP RT 2k S	MP RT 3k H	MP RT 3k S					
Capacity	1000VA / 900W		2000VA / 1800W		3000VA / 2700W						
<b>INPUT</b>											
Nominal voltage	208/220/230/240Vac										
Input voltage range	110~300Vac (176~280Vac @ 100% load)										
Power factor	≥0.99										
<b>FREQUENCY</b>											
Frequency range	40~70Hz (50/60Hz Auto-Sensing)										
<b>OUTPUT</b>											
Output voltage	208/220/230/240Vac										
Voltage regulation	± 1%										
Power factor	0.9										
Output frequency	Line mode	46~54Hz or 56~64Hz									
	Bat. mode	(50/60±0.1%)Hz									
Crest factor	3:1										
Harmonic distortion (THDv)	≤3% Linear load ≤5% Non linear load										
Transfer time	AC mode to Bat.mode	0ms									
	Inverter to Bypass	4ms (Typical)									
Output waveform	Pure Sinewave										
<b>EFFICIENCY</b>											
AC mode	89%		91%		92%						
Battery mode	85%		87%		88%						
<b>BATTERY</b>											
Battery number	2	3	2	3	4	6	4	6	6	8	6
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)										
Typical recharging time	4 hours (to 90% of full capacity)										
Charging voltage	27.4Vdc±1%	41.1Vdc±1%	27.4Vdc±1%	41.1Vdc±1%	54.8Vdc±1%	82.2Vdc±1%	54.8Vdc±1%	82.2Vdc±1%	82.2Vdc±1%	109.6Vdc±1%	82.2Vdc±1%
Charging current (Max.)	6A/12A		1A		6A/12A		1A		6A/12A		1A
<b>INDICATORS</b>											
LED display	Line mode,Bat.mode,ECO mode,Bypass mode,Battery low voltage,Overload & UPS fault										
LCD display	Input voltage,Input frequency,Output voltage,Output frequency,Load percentage, Battery voltage,Inner temperature& Remaining battery backup time										
<b>ALARM</b>											
Battery mode	Beeping every 4 seconds										
Battery low	Beeping every second										
Overload	Beeping twice every second										
Fault	Continuously beeping										
<b>PHYSICAL</b>											
Dimension W x D x H (mm)	440 x 325 x 86.5		440 x 460 x 86.5		440 x 600 x 86.5		440 x 460 x 86.5		440 x 600 x 86.5		
Net weight (kg)	5.6		11.3		14		10.5		19.5		26
<b>ENVIRONMENT</b>											
Operating temperature	0°C~40°C										
Storage temperature	-25°C~55°C										
Humidity range	20~95%RH @ 0~40°C (Non condensing)										
Altitude	<1500m,derating required when>1500m										
Noise level	<50dB at 1 Meter										
<b>STANDARDS</b>											
Safety	IEC/EN62040-1,IEC/EN62477-1										
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8										

Specifications are subject to change without prior notice.  
When output voltage is 208Vac,need to derate to 80% of the unit capacity.

## MP BR 1-3kVA battery pack specification

MODEL	MP BR04024C	MP BR06036C	MP BR08048C	MP BR12072C	MP BR08096C
<b>BATTERY SYSTEM</b>					
Battery type	VRLA (Lead acid maintenance free battery)				
Typical battery recharging time	6-8 hours (to 90% of full capacity)				
Typical battery life	3-5 years,depend on discharging cycle and ambient temperature				
System voltage	24Vdc	36Vdc	48Vdc	72Vdc	96Vdc
Charging current (Max.)	1.4A				
Battery quantity	4	6	8	12	8
Capacity	9Ah/12V (7Ah/12V optional)				
<b>PHYSICAL</b>					
Dimension W x D x H (mm)	440 x 430 x 86.5		440 x 550 x 86.5	440 x 710 x 86.5	440 x 550 x 86.5
Net weight (kg)	17.4	22.5	31.5	44	31.5
<b>ENVIRONMENT</b>					
Safety	CE				
Operating environment	0℃~40℃				
Relative humidity	0-95% (Non condensing)				
Noise level	<40dB at 1 Meter				

Specifications are subject to change without prior notice.

Remark: MP BR08048C "MP" means series; "BR" means Battery Rack; "08" means battery number inside the Rack; "048" means the battery system voltage; "C" means the Rack coming with charger.