

## MEMOPOWER RT- III Series

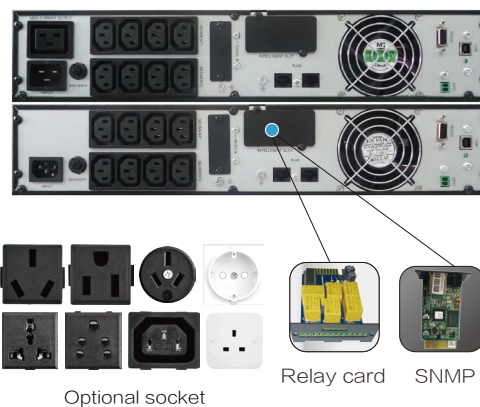
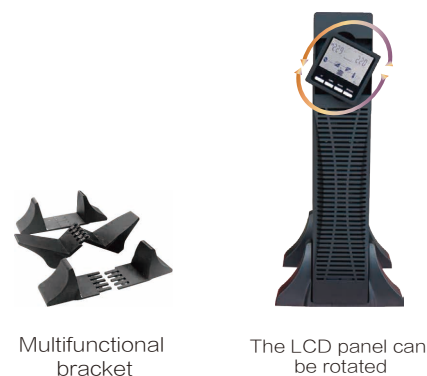
1:1 Phase PF 0.9 (PF 1.0 optional)

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



## 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   |             |            |    |
| INPUT                      |                     |   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| Nominal voltage            |                     | 208/220/230/240Vac  |            |            |                  |                  |            |                  |            |                  |             |            |    |
| Input voltage range        |                     | 110~300Vac (176~280Vac @ 100% load)   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| Power factor               |                     | ≥0.99   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| FREQUENCY                  |                     |   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| Frequency range            |                     | 40~70Hz (50/60Hz Auto-Sensing)  |            |            |                  |                  |            |                  |            |                  |             |            |    |
| OUTPUT                     |                     |   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| 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   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| EFFICIENCY                 |                     |   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| AC mode                    |                     | 89%   |            |            |                  | 91%              |            |                  |            | 92%              |             |            |    |
| Battery mode               |                     | 85%   |            |            |                  | 87%              |            |                  |            | 88%              |             |            |    |
| BATTERY                    |                     |   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| 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         |    |
| INDICATORS                 |                     |   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| 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 |            |            |                  |                  |            |                  |            |                  |             |            |    |
| ALARM                      |                     |   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| Battery mode               |                     | Beeping every 4 seconds   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| Battery low                |                     | Beeping every second  |            |            |                  |                  |            |                  |            |                  |             |            |    |
| Overload                   |                     | Beeping twice every second  |            |            |                  |                  |            |                  |            |                  |             |            |    |
| Fault                      |                     | Continously beeping   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| PHYSICAL                   |                     |   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| 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             |            | 25               | 11          |            | 26 |
| ENVIRONMENT                |                     |   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| Operating temperature      |                     | 0℃~40℃  |            |            |                  |                  |            |                  |            |                  |             |            |    |
| Storage temperature        |                     | -25℃~55℃  |            |            |                  |                  |            |                  |            |                  |             |            |    |
| Humidity range             |                     | 20~95%RH @ 0~40℃ (Non condensing)   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| Altitude                   |                     | <1500m,derating required when>1500m   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| Noise level                |                     | <50dB at 1 Meter  |            |            |                  |                  |            |                  |            |                  |             |            |    |
| STANDARDS                  |                     |   |            |            |                  |                  |            |                  |            |                  |             |            |    |
| 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      |
|---------------------------------|---|-------------|------------------|------------------|------------------|
| BATTERY SYSTEM                  |   |             |                  |                  |                  |
| 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)                                    |             |                  |                  |                  |
| PHYSICAL                        |   |             |                  |                  |                  |
| 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             |
| ENVIRONMENT                     |   |             |                  |                  |                  |
| Safety                          | CE  |             |                  |                  |                  |
| Operating environment           | 0℃~40℃  |             |                  |                  |                  |
| Relative humidity               | 0~95% (Non condensing)  |             |                  |                  |                  |
| Noise level                     | <40dB at 1 Meter  |             |                  |                  |                  |

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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.