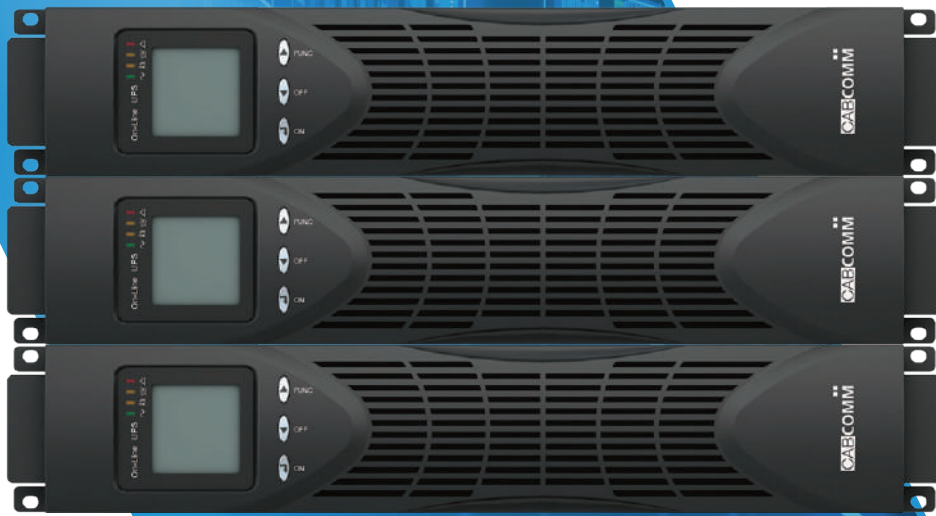


UPS Solution

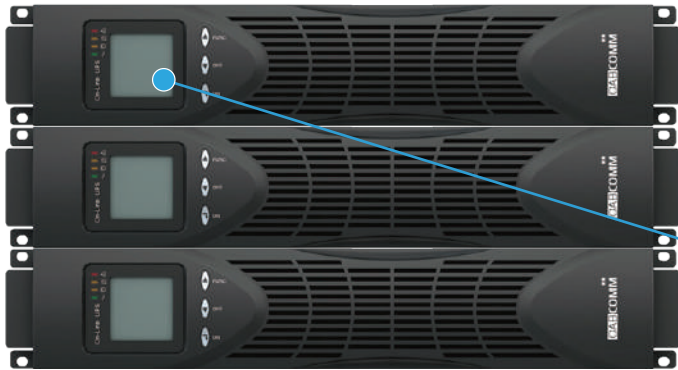
Memopower RT-III Series
(1~3kVA)



Memopower RT-III Series

1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 1~3kVA



3 Kinds of LCD can be selected



Colourful LCD



Blue LCD



Advanced Touch Screen

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/Dry contact card/SNMP card optional)
- ◆ Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- ◆ PDU with maintenance bypass switch (Optional)



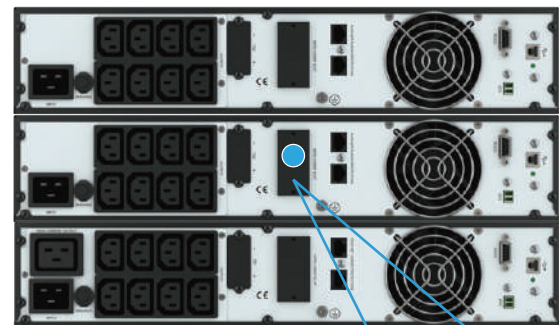
Battery Cabinet (Optional)



Optimized Battery Configuration 7/9Ah



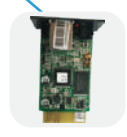
Multifunctional Bracket



Optional socket



Dry contact card



SNMP card



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Technical Specifications

| MODEL | MP RT 1k H | MP RT 1k S | MP RT 1.5k H | MP RT 1.5k S | MP RT 2k H | MP RT 2k S | MP RT 3k H | MP RT 3k S | | | | |
|-------------------------------|---|--------------|-----------------------------|--------------|-----------------------------|--------------|--------------|-----------------------------|--------------|--------------|--------------|--------------|
| Capacity (VAW) | 1000/900 | | 1500/1350 | | 2000/1800 | | 3000/2700 | | | | | |
| INPUT | | | | | | | | | | | | |
| Nominal Voltage (Vac) | 208/220/230/240 | | | | | | | | | | | |
| Operating Voltage Range (Vac) | 110~300 (176~264 @ 100% load) | | | | | | | | | | | |
| Power Factor | ≥0.99 | | | | | | | | | | | |
| Bypass Frequency Range (Hz) | 40~70 (50/60 Auto-Sensing) | | | | | | | | | | | |
| OUTPUT | | | | | | | | | | | | |
| Nominal Voltage (Vac) | 208/220/230/240 | | | | | | | | | | | |
| Voltage Regulation | ±1% | | | | | | | | | | | |
| Power Factor | 0.9 | | | | | | | | | | | |
| Output Frequency (Hz) | Line mode: 46~54 or 56~64; Bat. mode: (50/60±0.1%) | | | | | | | | | | | |
| Crest Factor | 3:1 | | | | | | | | | | | |
| Harmonic Distortion (THDv) | ≤3% Linear load; ≤5% Non linear load | | | | | | | | | | | |
| Transfer Time (ms) | AC mode to Bat.mode: 0; Inverter to Bypass: 4 (Typical) | | | | | | | | | | | |
| Waveform | Pure Sinewave | | | | | | | | | | | |
| EFFICIENCY | | | | | | | | | | | | |
| AC Mode | Up to 90% | | Up to 90.5% | | Up to 91% | | Up to 92% | | | | | |
| ECO Mode | Up to 95% | | Up to 96% | | Up to 96% | | Up to 97% | | | | | |
| BATTERY | | | | | | | | | | | | |
| Battery Type | VRLA (Lead acid maintenance free battery) | | | | | | | | | | | |
| Battery Voltage (Vdc) | 24 | 36 | 24 | 36 | 36 | 48 | 72 | 48 | 72 | 72 | 96 | 72 |
| Battery Capacity (Ah) | S: 7/9; H: Depends on the capacity of external batteries | | | | | | | | | | | |
| Battery Quantity (pcs) | 2 | 3 | 2 | 3 | 3 | 4 | 6 | 4 | 6 | 6 | 8 | 6 |
| Typical Recharge Time (hours) | S: 4 (To 90% of full capacity) | | | | | | | | | | | |
| Charging Current (Max.) (A) | 6/12 | 1 | 6/12 | 1 | 6/12 | 1 | 6/12 | 1 | 6/12 | 1 | 6/12 | 1 |
| MANAGEMENT | | | | | | | | | | | | |
| 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 | | | | | | | | | | | |
| ENVIRONMENTAL | | | | | | | | | | | | |
| Operating Temperature (°C) | 0~40 | | | | | | | | | | | |
| Storage Temperature (°C) | -25~55 | | | | | | | | | | | |
| Humidity Range | 20~95%RH @ 0~40°C (Non condensing) | | | | | | | | | | | |
| Altitude (m) | <1000, derating required between 1000 to 3000 | | | | | | | | | | | |
| Noise Level (dB) | <50 | | | | | | | | | | | |
| PHYSICAL | | | | | | | | | | | | |
| Dimension WxDxH (mm) | 440×325×86.5 | 440×460×86.5 | 440×600×86.5 (440×460×86.5) | 440×460×86.5 | 440×600×86.5 (440×460×86.5) | 440×460×86.5 | 440×600×86.5 | 440×600×86.5 (440×460×86.5) | 440×600×86.5 | 440×600×86.5 | 440×600×86.5 | 440×600×86.5 |
| Weight (kg) | 5.6 | 11.3 | 14 | 9.1 (8.1) | 16.5 | 10.5 (8.6) | 19.5 | 25 | 11 (8.8) | 26 | | |
| STANDARDS | | | | | | | | | | | | |
| Safety | IEC/EN 62040-1, IEC/EN 62477-1 | | | | | | | | | | | |
| EMC | IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8 | | | | | | | | | | | |

1. When output voltage is 208Vac, need to derate to 80% of the unit capacity
2. Specifications are subject to change without prior notice
3. Data above are typical values for reference only, not as a basis for engineering design



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MP BR 1-3kVA Battery Pack Specification

| MODEL | MP BR04024C | MP BR06036C | MP BR08048C | MP BR12072C |
|---------------------------------------|--|-------------|--------------|--------------|
| BATTERY SYSTEM | | | | |
| Battery Type | VRLA (Lead acid maintenance free battery) | | | |
| Typical Battery Recharge Time (hours) | 6~8 (To 90% of full capacity) | | | |
| Typical Battery Life (years) | 3~5, depend on discharging cycle and ambient temperature | | | |
| System Voltage (Vdc) | 24 | 36 | 48 | 72 |
| Charging Current (Max.) (A) | 1.4 | | | |
| Battery Quantity (pcs) | 4 | 6 | 8 | 12 |
| Capacity (Ah) | 9 (7 Optional) | | | |
| PHYSICAL | | | | |
| Dimension WxDxH (mm) | 440×430×86.5 | | 440×550×86.5 | 440×710×86.5 |
| Weight (kg) | 17.4 | 22.5 | 31.5 | 44 |
| ENVIRONMENTAL | | | | |
| Operating Environment (°C) | 0~40 | | | |
| Humidity Range | 20~95%RH @ 0~40°C (Non condensing) | | | |
| Altitude (m) | <1000, derating required between 1000 to 3000 | | | |
| Noise Level (dB) | <40 | | | |
| STANDARDS | | | | |
| Safety | IEC/EN 62040-1, IEC/EN 62477-1 | | | |

1. Specifications are subject to change without prior notice
2. Data above are typical values for reference only, not as a basis for engineering design
3. 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



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