

Memopower RT-III Series

Power range: 1~3kVA

1:1 Phase PF 0.9 (PF 1.0 optional)



3 Kinds of LCD can be selected



Colourful LCD



Blue LCD



Advanced Touch Screen



Battery Cabinet
(Optional)



Optimized Battery Configuration
7/9Ah

Features

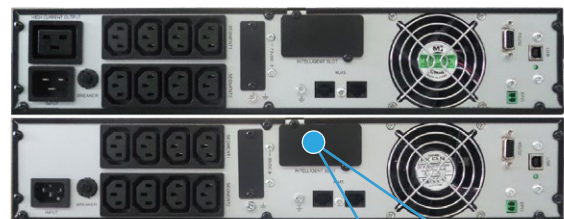
- ◆ Rack/Tower convertible design
- ◆ Online double conversion with full digital control
- ◆ Wide input voltage range: 110~300Vac
- ◆ Input power factor 0.99 with PFC
- ◆ Selectable output voltage: 208/220/230/240Vac
- ◆ Smart charger design for optimized battery performance
- ◆ Maximum charging current 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)



Multifunctional
Bracket



The LCD Panel Can
be Rotated



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 (VA/W)	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 Factor0.9																																
Output Frequency (Hz)Line mode: 46~54 or 56~64; Bat. mode: (50/60±0.1%)																																
Crest Factor3:1																																
Harmonic Distortion (THDv)≤3% Linear load; ≤5% Non linear load																																
Transfer Time (ms)AC mode to Bat.mode: 0; Inverter to Bypass: 4 (Typical)																																
WaveformPure Sinewave																																
EFFICIENCY																																
AC ModeUp to 90%Up to 90.5%Up to 91%Up to 92%																																
ECO ModeUp to 95%Up to 96%Up to 96%Up to 97%																																
BATTERY																																
Battery TypeVRLA (Lead acid maintenance free battery)																																
Battery Voltage (Vdc)24362436364872487272729672																																
Battery Capacity (Ah)S: 7/9; H: Depends on the capacity of external batteries																																
Battery Quantity (pcs)232334646686																																
Typical Recharge Time (hours)S: 4 (To 90% of full capacity)																																
Charging Current (Max.) (A)6/1216/1216/126/121																																
MANAGEMENT																																
LED DisplayLine mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault																																
LCD DisplayInput 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 Range20~95%RH @ 0~40°C (Non condensing)																																
Altitude (m)<1000, derating required between 1000 to 3000																																
Noise Level (dB)<50																																
PHYSICAL																																
Dimension WxDxH (mm)440×325×86.5440×460×86.5440×600×86.5 (440×460×86.5)440×460×86.5440×600×86.5 (440×460×86.5)440×460×86.5440×600×86.5440×600×86.5 (440×460×86.5)440×600×86.5																																
Weight (kg)5.611.3149.1 (8.1)16.510.5 (8.6)19.52511 (8.8)26																																
STANDARDS																																
SafetyIEC/EN 62040-1, IEC/EN 62477-1																																
EMCIEC/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			

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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