

MEMOPOWER RT-III Series

1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 1kVA~3kVA



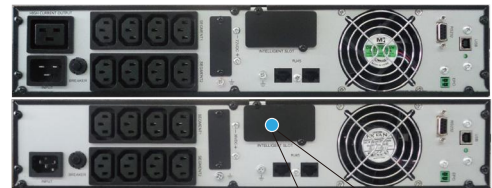
Features

- 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/Dry contact /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

Dry contact card SNMP card

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)												
Frequency range	40~70Hz (50/60Hz Auto-Sensing)												
Power factor	≥0.99												
OUTPUT													
Output voltage	208/220/230/240Vac												
Power factor	0.9												
Voltage regulation	± 1%												
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												
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	Continuously 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°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												
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°C~40°C				
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.