

MEMOPOWER RT-III Series ▶▶

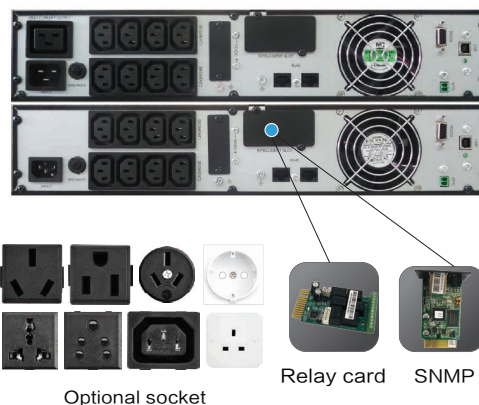
1:1 Phase PF 0.9 (PF 1.0 optional)

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
- PDU with maintenance bypass switch (Optional)



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		1000VA / 900W				1500VA / 1350W				2000VA / 1800W				3000VA / 2700W			
INPUT																	
Nominal voltage		208/220/230/240Vac															
Input voltage range		110~300Vac (176~264Vac @ 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%				89%				91%				92%			
Battery mode		85%				85%				87%				88%			
BATTERY																	
Battery number		2	3	2	3	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 current (Max.)		6A/12A		1A		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)		440x325x86.5mm		440x460x86.5mm	440x600x86.5mm	440x460x86.5mm	440x600x86.5mm	440x460x86.5mm	440 x 600 x 86.5mm								
Net weight		5.6kg	11.3kg	14kg	8.1kg	16.5kg	10.5kg	19.5kg	25kg	11kg	26kg						
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															

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

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 × D × H)	440 × 430 × 86.5mm		440 × 550 × 86.5mm	440 × 710 × 86.5mm	440 × 550 × 86.5mm
Net weight	17.4kg	22.5kg	31.5kg	44kg	31.5kg
ENVIRONMENT					
Safety	CE				
Operating environment	0℃ ~ 40℃				
Relative humidity	0 ~ 95% (Non condensing)				
Noise level	< 40dB at 1 Meter				

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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

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