



MEMOPOWER RT-III Series 1kVA ~ 3kVA

MEMOPOWER RT-III Series

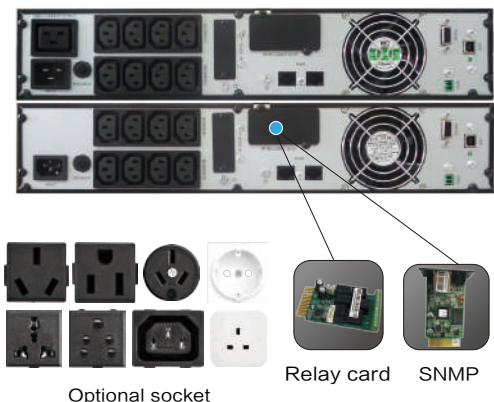
1:1 Phase PF 0.9 (PF 1.0 optional)

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 (mm)		440x325x86.5		440x400x86.5		440x600x86.5		440x460x86.5		440x600x86.5		440x400x86.5		440 x 600 x 86.5			
Net weight (kg)		5.6		11.3		14		8.1		16.5		10.5		19.5		25	
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															

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				

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