

MEMOPOWER RT-III Series



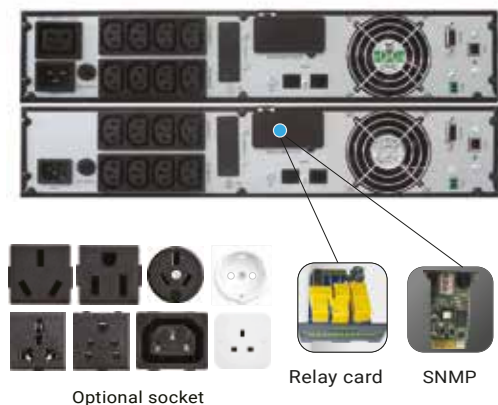
1:1 Phase PF 0.9 (PF 1.0 optional)

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



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Technical Specifications:

MODEL	MPSRTIII3KVA			MPSRTIII2KVA			MPSRTIII3KVA			
Capacity	1000VA / 900W			2000VA / 1800W			3000VA / 2700W			
INPUT										
Nominal voltage	208/220/230/240Vac									
Input voltage range	110~300Vac (176~280Vac @ 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%			91%			92%			
Battery mode	85%			87%			88%			
BATTERY										
Battery number	2			4			6			
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)									
Typical recharging time	4 hours (to 90% of full capacity)									
Charging voltage	27.4Vdc±1%			54.8Vdc±1%			82.2Vdc±1%			
Charging current (Max.)	1A			1A			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	
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.

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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 ~40				
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.