

MEMOPOWER RT-III Series

1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 1kVA~3kVA



Features

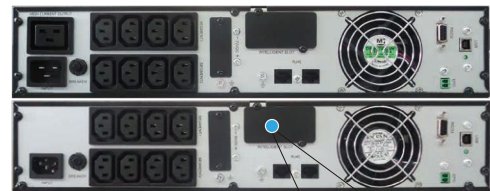
- Rack / Tower convertible design
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208 / 220 / 230 / 240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can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



Multifunctional bracket



The LCD panel can be rotated



Optional socket

Relay card

SNMP

Specifications

MODEL	MPM-W 1K RT	MPM-W 1.5K RT	MPM-W 2K RT	MPM-W 3K RT
Capacity	1000VA/ 900W	1.5kVA/1.35kW	2000VA/ 1800W	3000VA/ 2700W
INPUT				
Nominal voltage	208/220/230/240Vac			
Input voltage range	110~300Vac(176~280Vac@100%load)			
Frequency range	40~70Hz (50/60HzAuto-Sensing)			
Power factor	1K≥0.95; 2/3K≥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%	91%
Battery mode	85%		87%	88%
BATTERY				
Battery voltage	24VDC	36VDC	48VDC	72VDC
Charging voltage	27.4Vdc±1%	41.1Vdc±1%	54.8Vdc±1%	82.2Vdc±1%
Charging current (Max)	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×H (mm)	440*325*86.5	440 x 460 x 86.5	440 x 460 x 86.5	440 x 600 x 86.5
Net weight (kg)	6	10	10	11
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	<55dB at 1 Meter			
<i>Specifications are subject to change without prior notice. When output voltage is 208Vac,need to derate to 80% of the unit capacity.</i>				

MP BR 1-3kVA battery pack specification

MODEL	MPM BR04024C	MPM BR06036C	MPM BR08048C	MPM BR12072C	MPM 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				

Specifications are subject to change without prior notice.

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.