

MEMOPOWER RT-III Series

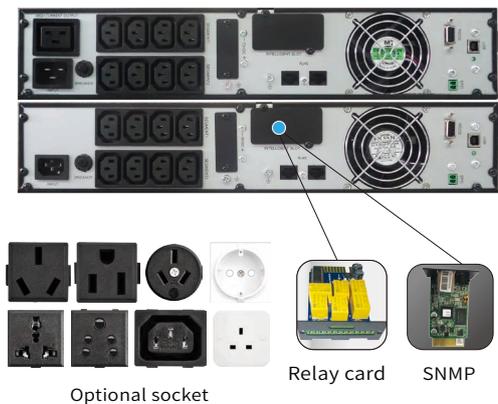
1:1 Phase PF 0.9

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



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 voltage	27.4Vdc±1%	41.1Vdc±1%	27.4Vdc±1%	41.1Vdc±1%	41Vdc±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	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	440x460x86.5	440x600x86.5	440x460x86.5	440x600x86.5	440x460x86.5	440x600x86.5	440x600x86.5	440x600x86.5	440x600x86.5	440x600x86.5	440x600x86.5
Net weight (kg)	5.6	11.3	14	8.1	16.5	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.