

MEMOPOWER RT-III Series

1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 1kVA ~ 3kVA



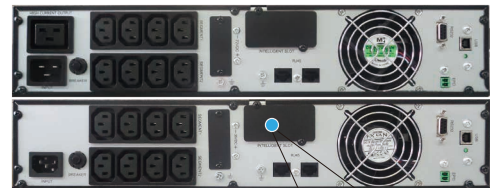
Features

- 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

Technical Specifications:

MODEL	MP RT 1k H	MP RT 1k S	MP RT 2k H	MP RT 2k S	MP RT 3k H	MP RT 3k S							
Capacity	1000VA/900W		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%		91%		92%								
Battery mode	85%		87%		88%								
BATTERY													
Battery number	2	3	2	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%	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		
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 × D × H	440 × 325 × 86.5mm		440 × 460 × 86.5mm		440 × 600 × 86.5mm		440 × 460 × 86.5mm		440 × 600 × 86.5mm				
Net weight	5.6kg		11.3kg		14kg		10.5kg		19.5kg		25kg	11kg	26kg
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/EN 62040-1, IEC/EN 62477-1												
EMC	IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)												

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