

MEMOPOWER RT-III Series

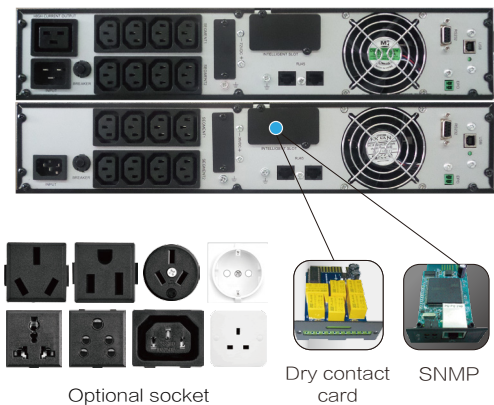
1:1 Phase PF 0.9 (PF 1.0 optional)

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/Dry contact /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 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 (176~280Vac @ 100% load)																															
Frequency range		40~70Hz (50/60Hz Auto-Sensing)																															
Power factor		≥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%								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																															
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 x D x H (mm)		440 x 325x 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				25				11				26			
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																															

Specifications are subject to change without prior notice.
When output voltage is 208Vac,need to derate to 80% of the unit capacity.