

MEMOPOWER- III Series

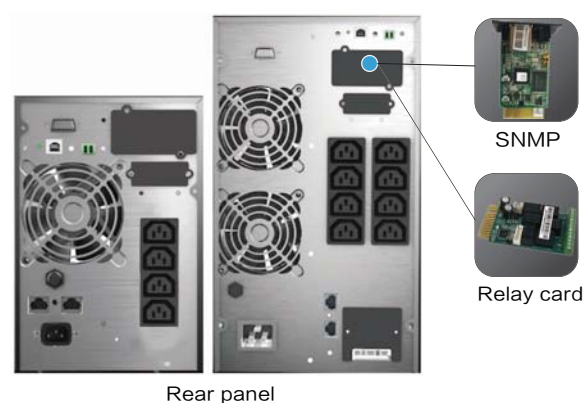
1:1 Phase PF 0.9 (PF 0.8/1.0 optional)

Power range: 1kVA ~ 3kVA



Features

- High power density
- 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
- 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 1k H			MP 1k S		MP 2k H			MP 2k S		MP 3k H		MP 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	88%					90%					91%				
Battery mode	85%					87%					88%				
BATTERY															
Battery number	2	3	2	3	4	6	4	6	6	8	6	8			
Capacity (Standard unit)	7Ah/12V (9Ah/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%	109.6Vdc ± 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	144 × 293 × 209mm			144 × 399 × 209mm	191 × 460 × 337mm										
Net weight	4.1kg		9.3kg	12.5kg	10kg		19.5kg	24.5kg	10kg		24.5kg	29.5kg			
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/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

MP BT 1–3kVA battery pack specification

MODEL	MP BT04024C	MP BT06036C	MP BT08048C	MP BT12072C	MP BT16096C
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	16
Capacity	7Ah/12V (9Ah/12V optional)				
PHYSICAL					
Dimension W × D × H	144 × 399 × 209mm		191 × 460 × 337mm		
Net weight	13.5kg	18.5kg	28.5kg	38.5kg	47.5kg
ENVIRONMENT					
Safety	CE				
Operating environment	0℃ ~ 40℃				
Relative humidity	0 ~ 95% (Non condensing)				
Noise level	< 40dB at 1 Meter				

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3. Remark: MP BT08048C "MP" means series; "BT" means Battery Tower cabinet; "08" means battery number inside the cabinet; "048" means the battery system voltage; "C" means the cabinet coming with charger

MEMOPOWER RT-III Series

1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 1kVA ~ 3kVA



Features

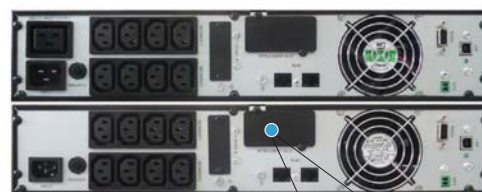
- Rack/Tower convertible design
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded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



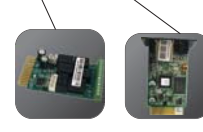
Multifunctional bracket



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)		7Ah/12V (9Ah/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℃ ~ 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/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)																							

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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	7Ah/12V (9Ah/12V optional)				
PHYSICAL					
Dimension W × D × H	440 × 430 × 86.5mm		440 × 550 × 86.5mm	440 × 710 × 86.5mm	440 × 550 × 86.5mm
Net weight	17.4kg	22.5kg	31.5kg	44kg	31.5kg
ENVIRONMENT					
Safety	CE				
Operating environment	0℃ ~ 40℃				
Relative humidity	0 ~ 95% (Non condensing)				
Noise level	< 40dB at 1 Meter				

1. Specifications are subject to change without prior notice

2. Data above are typical values for reference only, not as a basis for engineering design

3. 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