

MEMOPOWER- III Series

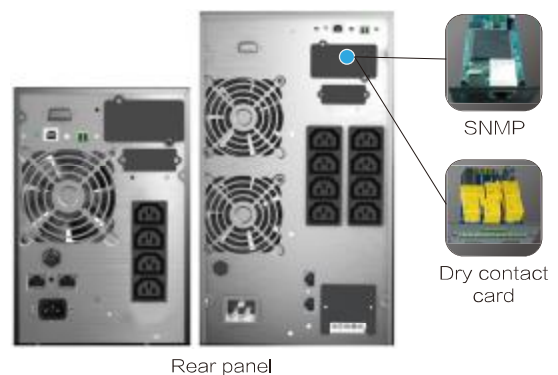
1:1 Phase PF 0.9 (PF 0.8/1.0 optional)

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/Dry contact /SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



Optional socket

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 (176-280Vac @ 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	88%		90%		91%						
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)	144 x 293 x 209		144 x 399 x 209		191 x 460 x 337						
Net weight (kg)	4.1	9.3	12.5	10	19.5	24.5	10	24.5	24.5	24.5	24.5
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 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	9Ah/12V (7Ah/12V optional)				
PHYSICAL					
Dimension W x D x H (mm)	144 x 399 x 209		191 x 460 x 337		
Net weight (kg)	13.5	18.5	28.5	38.5	47.5
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 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.