

MEMOPOWER-III Series ▶▶

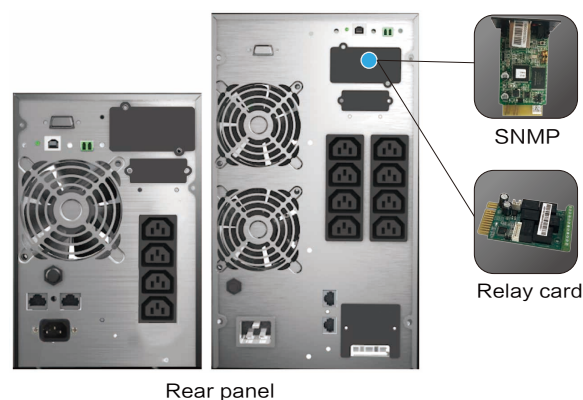
1:1 Phase PF 0.9 (PF 0.8/1.0 optional)

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



Rear panel



Optional socket

Technical Specifications:

MODEL	MP 1k H	MP 1k S	MP 1.5k H	MP 1.5k S	MP 2k H	MP 2k S	MP 3k H	MP 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	88%		88%		90%		91%									
Battery mode	85%		85%		87%		88%									
BATTERY																
Battery number	2	3	2	3	3	3	4	6	4	6	6	8	6	8		
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)															
Typical recharging time	4 hours (To 90% of full capacity)															
Charging current (Max.)	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 × D × H)	144 × 293 × 209mm			144 × 399 × 209mm			191 × 460 × 337mm									
Net weight	4.1kg	9.3kg	12.5kg	5.6kg	13.1kg	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	9Ah/12V (7Ah/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

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 Adresse : Djenane tebib n° 02 GP 388, route du kadous, Birkhadem
www.futurepowerstore.com