

MEMOPOWER-III Series



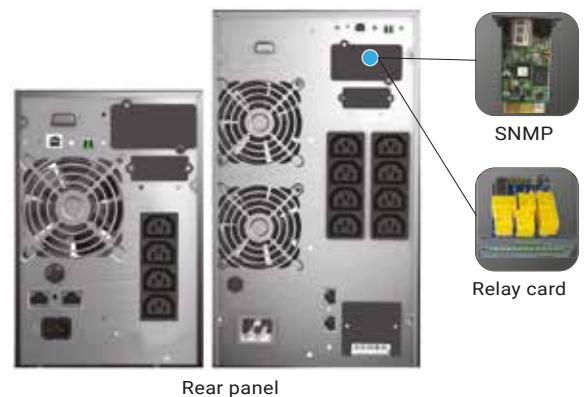
1:1 Phase PF 0.9 (PF 0.8/1.0 optional)

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



Optional socket

Technical Specifications:

MODEL	MPSIII1KVA	MPSIII2KVA	MPSIII3KVA
Capacity	1000VA / 900W	2000VA / 1800W	3000VA / 2700W
INPUT			
Nominal voltage	208/220/230/240Vac		
Input voltage range	110~300Vac (176~280Vac @ 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	4	6
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)		
Typical recharging time	4 hours (to 90% of full capacity)		
Charging voltage	27.4Vdc±1%	54.8Vdc±1%	82.2Vdc±1%
Charging current (Max.)	1A	1A	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	191 x 460 x 337	
Net weight (kg)	9.3	19.5	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.