

Memopower-IV Series

1:1 Phase PF 1.0

Power range: 6~10kVA



5 Kinds of LCD can be selected



Battery Cabinet
(Optional)



Optimized Battery Configuration
7/9Ah

Features

- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full digital control
- 3-level inverter topology, the efficiency can be up to 95.5%
- Wide input voltage range: 110~300Vac
- Dual input source (Optional)
- Generator compatible
- Supporting customized shared battery banks for parallel system (The battery banks should be configured with neutral line)
- Dual Intelligent card slot for touch screen version (Segment LCD optional)
- Maximum charging current up to 15A
- Cold start function
- Dry contact port optional (4 pins input and 4 pins output)
- Intelligent fan speed regulation
- Low noise design, less than 45dB for 6kVA
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



Dry contact card



SNMP card

Technical Specifications

MODEL		MP Pro 6k H	MP Pro 6k S	MP Pro 10k H	MP Pro 10k S
Capacity (VA/W)		6000/6000		10000/10000	
INPUT					
Nominal Voltage (Vac)		208/220/230 (Default)/240			
Operating Voltage Range (Vac)		110-300 (110-300 @ 50% load/176-300 @ 100% load)			
Power Factor		≥0.99			
Harmonic distortion(THDi)		< 2%			
Bypass Voltage Range (Vac)		208/220 Max.voltage: +25% (Optional +10%, +15%, +20%) 230 Max.voltage: +20% (Optional +10%, +15%) 240 Max.voltage: +15% (Optional +10%) Min. voltage: -45% (Optional -10%, -20%, -30%)			
Bypass Frequency Range (Hz)		40~70			
OUTPUT					
Nominal Voltage (Vac)		208/220/230 (Default)/240			
Voltage Regulation		±1%			
Power Factor		1.0			
Output Frequency (Hz)		50/60±10% (Line mode); 50/60 (Default)±0.1% (Battery mode)			
Crest Factor		3:1			
Harmonic Distortion (THDv)		<1% (Full linear load); <3% (Full nonlinear load)			
Transfer Time (ms)		AC mode to Bat. mode: 0; Inverter to Bypass: 0			
Waveform		Pure Sinewave			
Overload	Online Mode	105%~110%: 60 min; 110%~125%: 10 min; 125%~150%: 1 min; >150%: 0.5 sec			
	Battery Mode	105%~110%: 10 min; 110%~125%: 1 min; 125%~150%: 10 sec; >150%: 0.5 sec			
	Bypass Mode	105%~130%: Overload alarm; 130%~150%: 10 min; 150%~200%: 1 min; >200%: 0.5 sec			
		Breaker 40A		Breaker 63A	
EFFICIENCY					
AC Mode		Up to 95.0%		Up to 95.5%	
ECO Mode		Up to 98.8%		Up to 99.0%	
BATTERY					
Battery Type		VRLA (Lead acid maintenance free battery)			
Battery Voltage (Vdc)		192 (Default)/216/240	192/240 (Default)	192 (Default)/216/240	192/240 (Default)
Battery Capacity (Ah)		7 (9 Optional)		9 (7 Optional)	
Typical Recharge Time (hours)		6 ~ 8 (To 90% of full capacity)			
Charging Current (Max.)(A)		12 (15 Optional)	1.35 Default (12/15 Optional)	15	1.35 Default (15)
		Charging current adapts to the battery type and battery capcacity			
MANAGEMENT					
LED Display		Online mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault			
LCD Display		Input voltage, Input frequency, Input current, Output voltage, Output frequency, Output current, Load percentage, Battery voltage, Battery charging/ discharging current, Ambient temperature & Remaining battery backup time			
ENVIRONMENTAL					
Operating Temperature (°C)		0~40			
Storage Temperature (°C)		-25~55			
Humidity Range		0~95%RH @ 0~40°C (Non condensing)			
Altitude (m)		<1000, derating required between 1000 to 3000			
Noise Level (dB)*		<45		<50	
PHYSICAL					
Dimension WxDxH (mm)		191×460×337	191×460×720 (With caster)	191×460×337	191×460×720 (With caster)
Weight (kg)		12.5	54	14	63
STANDARDS					
Safety		EN IEC 62040-1: 2019+A11:2021			
EMC		IEC 62040-2-2016, EN 62040-2-2018 C2			
Performance		IEC 62040-3: 2021, EN IEC 62040-3: 2021			

*Online mode, full load, float charging

MP BT 6-10kVA Battery Pack Specification

MODEL	MP BT40240		
BATTERY SYSTEM			
Battery Type	VRLA (Lead acid maintenance free battery)		
Typical Battery Recharge Time (hours)	6~8 (To 90% of full capacity)		
Typical Battery Life (years)	3~5 years, depend on discharging cycle and ambient temperature		
System Voltage (Vdc)	192	216	240
Battery Quantity (pcs)	2×16	2×18	2×20
Capacity (Ah)	7/9		
PHYSICAL			
Dimension WxDxH (mm)	250×619×616 (With caster)		
Weight (kg)	106/114	114/124	122/134
ENVIRONMENTAL			
Operating Environment (°C)	0~40		
Humidity Range	0~95%RH @ 0~40°C (Non condensing)		
Altitude (m)	<1000, derating required between 1000 to 3000		
Noise Level (dB)	<40		
STANDARDS			
Safety	EN IEC 62040-1: 2019+A11:2021		