Memopower RT-III Series

3:1 phase PF 1.0 (PF 0.9 optional)





Power range: 6~10kVA

Segment LCD

TFT Colourful LCD





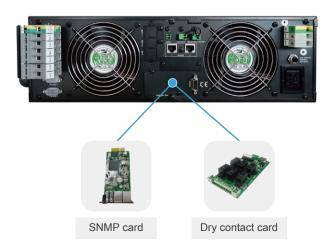


Battery Cabinet (Optional)

Optimized Battery Configuration 7/9Ah

Features

- LCD supports Rack/Tower convertible design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with DSP control
- Input current harmonic: <3%
- Optimization battery group, the quantity of battery: 16/18/20pcs (32~40pcs supportable)
- Wide input voltage range: 208~478Vac
- Wide input frequency range: 40~70Hz
- Dual input source
- Support 3/1 and 1/1 operation
- Generator compatible
- ECO mode operation for energy saving
- Cold start
- Intelligent fan speed regulation
- · Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Multiple communication interface: RS232/RS485/EPO/Output port/Maintain-AUXSWS port (Dry contact card/SNMP card/BMS optional)
- PDU with maintenance bypass switch (Optional)



Technical Specifications

MODEL		MP31 RT 6k	MP31 RT 10k	
		6000/6000	10000/10000	
Capacity (VA/W) INPUT		0000/0000	10000/10000	
	(1/26)	00011001115 (27)), 000/000/040 (L.N.PE)	
Nominal Voltage (Vac)		380/400/415 (3Ph+N+PE); 220/230/240 (L+N+PE)		
Operating Voltage Range (Vac)		208~478; 120~276 40~70 (50/60 Auto-Sensing)		
Operating Frequency Range (Hz)		<u> </u>	<u> </u>	
Power Factor		≥0.99		
Harmonic Distortion (THDi)		≤3% Linear load		
Bypass Voltage Range (Vac)		Max.voltage: 220: +25% (Optional +10%, +15%, +20%) 230: +20% (Optional +10%, +15%) 240: +15% (Optional +10%) Min.voltage: -45% (Optional -10%, -20%, -30%)		
Bypass Frequen	ncy Range (Hz)	50/60:	±10%	
OUTPUT				
Nominal Voltage	e (Vac)	220/230/240 (L+N+PE)		
Voltage Regulation		±1%		
Power Factor		1.0		
Output Frequency (Hz)		Line mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional); Bat. mode: (50/60±0.1%)		
Crest Factor		3:1		
Harmonic Distortion (THDv)		≤2% Linear load; ≤5% Non linear load		
Transfer Time (n	ms)	AC mode to Bat. mode: 0; Inverter to Bypass: 0		
Waveform		Pure Sir	· · · · · · · · · · · · · · · · · · ·	
	AC mode	Load≤110%: last 60min; ≤125%: last 10min; ≤150%: last 1min; ≥150%: turn to bypass mode immediately		
Overload	Bat.mode	Load≤110%: last 10min; ≤125%: last 1min; ≤150		
	Bypass mode	Breaker (Load<125%,		
Efficiency	'			
AC Mode		Up to 9	93.5%	
ECO Mode		Up to 98.0%		
BATTERY		·		
Battery Type		VRLA (Lead acid maintenance free battery)		
Battery Voltage (Vdc)		±96/±108/±120 (16/18/20pcs optional); (16pcs default, 20pcs no power derating; 18pcs output power factor 0.9; 16pcs output power factor 0.8;)		
		±192/204/216/228/240 (32/3		
Charging Current (Max.)(A)		12	14	
MANAGEMENT				
LED Display		Line mode, Bat.mode, ECO mode, Bypass mo	de, 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		
ENVIRONMENT	ΓAL			
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)		<53	<55	
PHYSICAL		•		
Dimension WxDxH (mm)		443×580×	x131 (3U)	
Weight (kg)		27	28	
STANDARDS			-	
STANDARDS		IEC/EN 62040-1, IEC/EN 62477-1		
STANDARDS Safety		IFC/FN 62040-1	IEC/EN 62477-1	

Specifications are subject to change without prior notice
 Data above are typical values for reference only, not as a basis for engineering design

MP 31 BR 6-10kVA Battery Pack Specification

MODEL	MP31 BT20120N
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, depend on discharing cycle and ambient temperature
System Voltage (Vdc)	±120
Battery Quantity (pcs)	1×20
Capacity (Ah)	7/9
PHYSICAL	
Dimension WxDxH (mm)	443×720×131 (3U)
Weight (kg)	58/63
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	IEC/EN 62040-1, IEC/EN 62477-1

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Remark: MP31 BR20120N "MP" means series; "BR" means Battery Rack; "20" means battery number inside the Rack; "120" means the battery system voltage; "N" means battery with neutral connection.

MODEL	MP31 BR40120N
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, depend on discharing cycle and ambient temperature
System Voltage (Vdc)	±120
Battery Quantity (pcs)	2×20
Capacity (Ah)	7/9
PHYSICAL	
Dimension WxDxH (mm)	443×861.5×175 (4U)
Weight (kg)	138/154
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	IEC/EN 62040-1, IEC/EN 62477-1

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 Data above are typical values for reference only, not as a basis for engineering design
 Remark: MP31 BR40120N "MP" means series; "BR" means Battery Rack; "40" means battery number inside the Rack; "120" means the battery system voltage; "N" means battery with neutral connection