

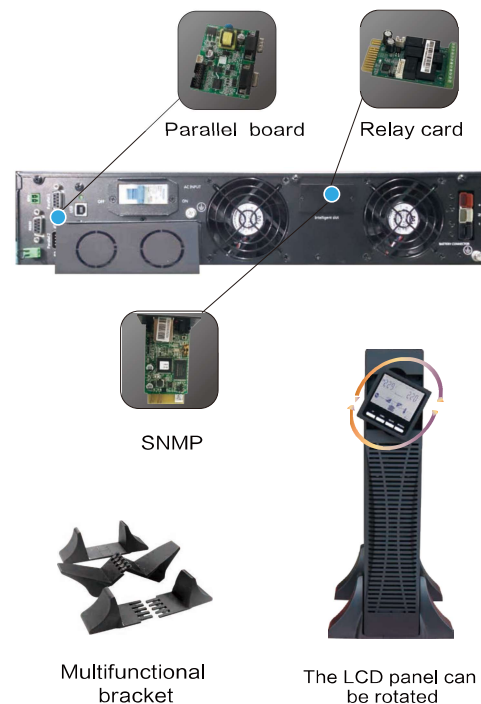
1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 6kVA ~ 10kVA



## Features

- High power density
- LCD supports Rack/Tower convertible design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full digital control
- Optimization battery group, the quantity of battery: 16/18/20pcs (Settable)
- Wide input voltage range: 110 ~ 286Vac
- Wide input frequency range
- Generator compatible
- ECO mode operation for energy saving
- Self-testing when UPS startup
- Multiple communication interface: RS232/USB/PO (Relay card /SNMP card optional)
- Parallel kit default
- Maximum charging current up to 10A
- Cold start
- Intelligent fan speed regulation
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- PDU with maintenance bypass switch (Optional)



## Technical Specifications:

MODEL		MP RT Pro 6k	MP RT Pro 10k
Capacity		6000VA/5400W	10000VA/9000W
INPUT			
Nominal voltage		208/220/230/240Vac	
Input voltage range		110 ~ 286Vac	
Power factor		≥0.99	
Bypass voltage range		Max.voltage: 220V: +25% (Optional +10%, +15%, +20%) 230V: +20% (Optional +10%, +15%) 240V: +15% (Optional +10%) Min.voltage: -45% (Optional -20%, -30%)	
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	±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)	
	Bat. mode	(50/60±0.1%)Hz	
Crest factor		3:1	
Harmonic distortion (THDv)		≤2% Linear load ≤5% Non linear load	
Transfer time	AC mode to Bat.mode	0ms	
	Inverter to Bypass	0ms	
Output waveform		Pure Sinewave	
Overload	Line mode	Load≤110% last 60min; ≤125% last 10min; ≤150% last 1min; >150% turn to bypass mode immediately	
	Bypass mode	40A (Breaker)	63A (Breaker)
Efficiency		Up to 93.5%	
BATTERY			
Battery voltage		±96/±108/±120Vdc (Settable)	
Typical recharging time		6~8 hours (To 90% of full capacity)	
Charging current		Max.current 10A (Charging current can be set according to battery capacity)	
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)		440×625×86.5mm	
Net weight		16kg	18kg
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		<55dB at 1 Meter	<58dB 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 BR 6–10kVA battery pack specification

MODEL	MP BR20120N
<b>BATTERY SYSTEM</b>	
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	± 120Vdc
Battery quantity	1 × 20 PCS
Capacity	7Ah/9Ah (12V)
<b>PHYSICAL</b>	
Dimension (W × D × H)	440 × 680 × 131mm (3U)
Net weight	58kg/63kg
<b>ENVIRONMENT</b>	
Safety	CE
Operating environment	0°C ~ 40°C
Relative humidity	0~95% (Non condensing)
Noise level	< 40dB at 1 Meter

1. Specifications are subject to change without prior notice

2. Data above are typical values for reference only, not as a basis for engineering design

3. Remark: MP 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

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