

## RD4000 MP Pro series

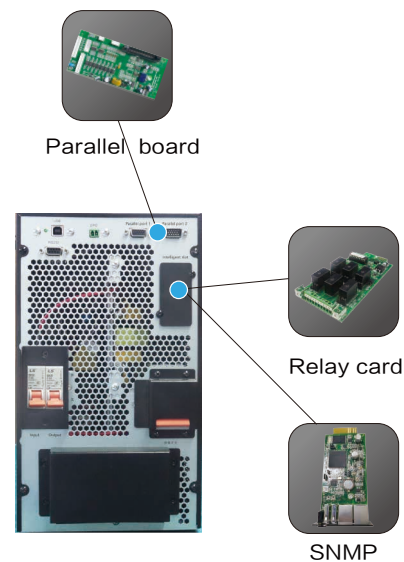
1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 6kVA ~ 10kVA



### Features

- 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
- Selectable output voltage: 208/220/230/240Vac
- Generator compatible
- ECO mode operation for energy saving
- Self-testing when UPS startup
- Multiple communication interface: RS232/USB/EPO (Relay card /SNMP card optional)
- Maximum charging current up to 10A
- Cold start
- Design with maintenance switch (Optional)
- Intelligent fan speed regulation
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



## RD4000 MP Pro series

### Technical Specifications:

MODEL	MP Pro 6k H	MP Pro 6k S	MP Pro 10k H	MP Pro 10k S
Capacity	6000VA/5400W		10000VA/9000W	
<b>INPUT</b>				
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%)			
<b>FREQUENCY</b>				
Frequency range	40~70Hz (50/60Hz Auto-Sensing)			
<b>OUTPUT</b>				
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%			
<b>BATTERY</b>				
Battery voltage	± 96/ ± 108/ ± 120Vdc (Settable)	± 120Vdc	± 96/ ± 108/ ± 120Vdc (Settable)	± 120Vdc
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)			
Typical recharging time	6~8 hours (To 90% of full capacity)			
Charging current	1.35A (Standard unit); Long run unit Max.current 10A (Charging current can be set according to battery capacity)			
<b>INDICATORS</b>				
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			
<b>ALARM</b>				
Battery mode	Beeping every 4 seconds			
Battery low	Beeping every second			
Overload	Beeping twice every second			
Fault	Continuously beeping			
<b>PHYSICAL</b>				
Dimension W × D × H	H: 191 × 460 × 337mm; S: 191 × 460 × 720mm (With wheel)			
Net weight	12.5kg	70kg	14kg	71.5kg
<b>ENVIRONMENT</b>				
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	< 55dB at 1 Meter		< 58dB at 1 Meter	
<b>STANDARDS</b>				
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

# RD4000 MP Pro series

## MP BT 6–10kVA Pro battery pack specification

MODEL	MP BT40120N
<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	2 × 20 PCS
Capacity	7Ah/9Ah (12V)
<b>PHYSICAL</b>	
Dimension W × D × H	250 × 619 × 616mm (With wheel)
Net weight	122kg/134kg
<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 BT40120N "MP" means series; "BT" means Battery Tower cabinet; "40" means battery number inside the cabinet; "120" means the battery system voltage; "N" means battery with neutral connection