



3 kinds of LCD can be selected



Colourful LCD



Gray LCD



Blue LCD



Battery cabinet
(Optional)



Optimized battery configuration
7Ah/9Ah (12V)

Features

- High power density
- 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: $\pm 8/\pm 9/\pm 10$ pcs (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/EPO (Dry contact /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



Parallel board



Relay card



SNMP



Multifunctional
bracket



The LCD panel can
be rotated

Technical Specifications:

MODEL	AR-MP6KRT	AR-MP10KRT
Capacity	6kVA/6kW	10kVA/10kW
INPUT		
Nominal voltage	208/220/230/240Vac	
Input voltage range	110-286Vac	
Frequency range	40-70Hz (50/60Hz Auto-Sensing)	
Power factor	≥0.99	
Bypass voltage range	Max.voltage:220V:+25% (Optional+10%,15%,20%) 230V:+20% (Optional+10%,15%,20%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-20%,-30%)	
OUTPUT		
Output voltage	208/220/230/240Vac	
Power factor	1.0	
Voltage regulation	±1%	
Output frequency	±1%/±2%±/±4%/±5%/±10% of the rated frequency (Optional) (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	94%	
BATTERY		
Battery voltage	±96/±108/±120Vdc (Adjustable)	
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)	
Typical recharging time	6-8 hours (to 90% of full capacity)	
Charging current	1A (Standard unit); Long run unit 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 x D x H (mm)	440 x 625 x 86.5 (2U) / 440 x 670 x 130 (3U Optional)	
Net weight (kg)	16	18
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	<55dB at 1 Meter	<58dB 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	

MP BR 6-10kVA battery pack specification

MODEL	MP BR20120N
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	±120Vdc
Battery quantity	1* ±10 PCS
Capacity	7Ah/9Ah (12V)
PHYSICAL	
Dimension W x D x H (mm)	440 x 680 x 131
Net weight (kg)	58/63
ENVIRONMENT	
Safety	CE
Operating environment	0°C-40°C
Relative humidity	0-95% (Non condensing)
Noise level	<40dB at 1 Meter

Specifications are subject to change without prior notice. When output voltage is 208Vac,need to derate to 80% of the unit capacity.
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.