



3 kinds of LCD can be selected



Colourful LCD



Gray LCD



Blue LCD



Battery cabinet
(Optional)



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

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: $\pm 8/\pm 9/\pm 10$ pcs (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 (Dry contact /SNMP card optional)
- Maximum charging current up to 10A
- Cold start
- Design with maintenance switch (Optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



Parallel board



Relay card



SNMP

Technical Specifications:

MODEL	AR-MP6KH	AR-MP6KS	AR-MP10KH	AR-MP10KS
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	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	93.5%			
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)	H:191 x 460 x 337;S:191 x 460 x 720 (With wheel)			
Net weight (kg)	12.5	70	14	71.5
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 BT 6-10kVA Pro battery pack specification

MODEL	MP BT40120N
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	2 * ± 10 PCS
Capacity	7Ah/9Ah (12V)
PHYSICAL	
Dimension W x D x H (mm)	250 x 597 x 616
Net weight (kg)	122/134
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 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.