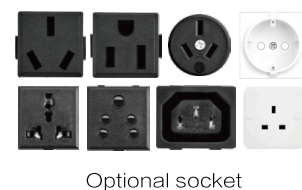
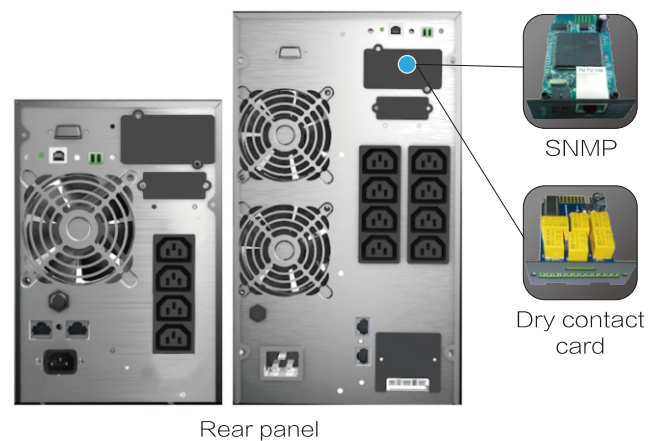




## Features

- High power density
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface: USB  
(RS232/EPO/Dry contact/SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm



Technical Specifications:

MODEL		AR-MP1KH				AR-MP1KS				AR-MP2KH				AR-MP2KS				AR-MP3KH				AR-MP3KS			
Capacity		1kVA/1kW								2kVA/2kW								3kVA/3kW							
INPUT																									
Nominal voltage		208/220/230/240Vac																							
Input voltage range		110~300Vac (176~280Vac @ 100% load)																							
Frequency range		40~70Hz (50/60Hz Auto-Sensing)																							
Power factor		≥0.99																							
OUTPUT																									
Output voltage		208/220/230/240Vac																							
Power factor		0.9																							
Voltage regulation		± 1%																							
Output frequency	Line Mode	46~54Hz or 56~64Hz																							
	Bat. Mode	(50/60 ± 0.1%)Hz																							
Crest factor		3:1																							
Harmonic distortion (THDv)		≤3% Linear load																							
		≤5% Non linear load																							
Transfer time	AC mode to Bat.Mode	0ms																							
	Inverter to Bypass	4ms (Typical)																							
Output waveform		Pure Sinewave																							
EFFICIENCY																									
AC mode		88%				90%				91%															
Battery mode		85%				87%				88%															
BATTERY																									
Battery number		2	3	2	3	4	6	4	6	6	8	6													
Capacity (Standard unit)		9Ah/12V																							
Typical recharging time		4 hours (to 90% of full capacity)																							
Charging voltage		27.4Vdc ± 1%	41.1Vdc ± 1%	27.4Vdc ± 1%	41.1Vdc ± 1%	54.8Vdc ± 1%	82.2Vdc ± 1%	54.8Vdc ± 1%	82.2Vdc ± 1%	82.2Vdc ± 1%	109.6Vdc ± 1%	82.2Vdc ± 1%													
Charging current (Max)		6A/12A		1A		6A/12A		1A		6A/12A		1A													
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		Continously beeping																							
PHYSICAL																									
Dimension W x D x H (mm)		144 x 293 x 209				144 x 399 x 209				191 x 460 x 337															
Net weight (kg)		4.1		9.3		12.5		10		19.5		24.5		10		24.5									
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		<50dB 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 1–3kVA battery pack specification

MODEL	MP BT04024C		MP BT06036C		MP BT08048C		MP BT12072C		MP BT16096C		
BATTERY SYSTEM											
Battery tpye	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	24Vdc		36Vdc		48Vdc		72Vdc		96Vdc		
Charging current (Max)	1.4A										
Battery quantity	4		6		8		12		16		
Capacity	9Ah/12V (7Ah/12V optional)										
PHYSICAL											
Dimension W x D x H (mm)	144 x 399 x 209				191 x 460 x 337						
Net weight (kg)	13.5		18.5		28.5		38.5		47.5		
ENVIRONMENT											
Safety	CE										
Operating environment	0℃~40℃										
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 BT08048C "MP" means series; "BT" means Battery Tower cabinet; "08" means battery number inside the cabinet;  
"048" means the battery system voltage; "C" means the cabinet coming with charger.