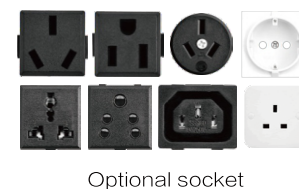
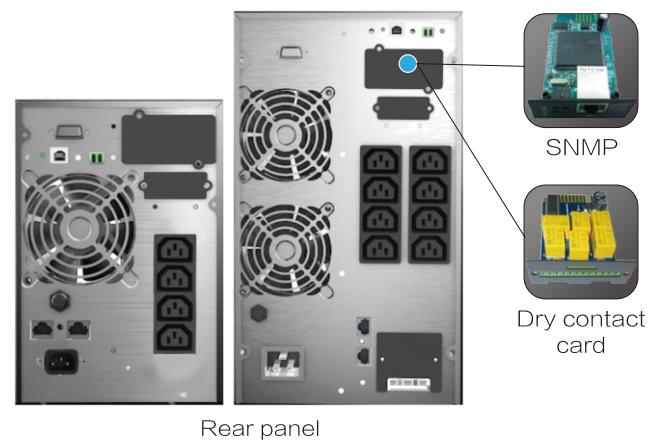




Features

- 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	1.0										
Voltage regulation	± 1%										
Output frequency	46-54Hz or 56-64Hz (50/60 ± 0.1%)Hz										
Crest factor	3:1										
Harmonic distortion (THDv)	≤3% Linear load ≤5% Non linear load										
Transfer time	0ms AC mode to Bat.Mode 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	Continuously 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	10	24.5	24.5
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	<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 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	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°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 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.