



# AC-UPS-O3000-R Datasheet



## Features

- Rack/Tower convertible design
- 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
- Hot-Swappable battery design
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface:RS232 (USB/EPO/Relay card SNMP card optional)
- Multiple protection function:short-circuit,overload,overheat, battery overcharge and overdischarge,output low voltage and fan fault alarm



Colourful LCD



Gray LCD



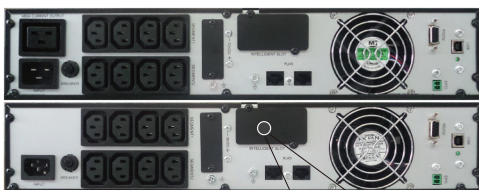
Blue LCD



Battery cabinet  
(Optional)



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



Optional socket

Relay  
card

SNMP



Multifunctional  
bracket



The LCD panel can  
be rotated



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## Technical Specifications:

MODEL	MP RT 1k H	MP RT 1k S	MP RT 2k H	MP RT 2k S	MP RT 3k H	MP RT 3k S							
Capacity	1000VA / 900W		2000VA / 1800W		3000VA / 2700W								
<b>INPUT</b>													
Nominal voltage	208/220/230/240Vac												
Input voltage range	110~300Vac (176~280Vac @ 100% load)												
Power factor	≥0.99												
<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	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												
<b>EFFICIENCY</b>													
AC mode	89%		91%		92%								
Battery mode	85%		87%		88%								
<b>BATTERY</b>													
Battery number	2	3	2	3	4	6	4	6	6	8	6		
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)												
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		
<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 x D x H (mm)	440 x 325 x 86.5		440 x 460 x 86.5		440 x 600 x 86.5		440 x 460 x 86.5		440 x 600 x 86.5				
Net weight (kg)	5.6		11.3		14		10.5		19.5		25	11	26
<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	<50dB at 1 Meter												
<b>STANDARDS</b>													
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												

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



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## MP BR 1–3kVA battery pack specification

MODEL	MP BR04024C	MP BR06036C	MP BR08048C	MP BR12072C	MP BR08096C
<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	24Vdc	36Vdc	48Vdc	72Vdc	96Vdc
Charging current (Max.)	1.4A				
Battery quantity	4	6	8	12	8
Capacity	9Ah/12V (7Ah/12V optional)				
<b>PHYSICAL</b>					
Dimension W x D x H (mm)	440 x 430 x 86.5		440 x 550 x 86.5	440 x 710 x 86.5	440 x 550 x 86.5
Net weight (kg)	17.4	22.5	31.5	44	31.5
<b>ENVIRONMENT</b>					
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.

Remark: MP BR08048C "MP" means series; "BR" means Battery Rack; "08" means battery number inside the Rack; "048" means the battery system voltage; "C" means the Rack coming with charger.