

ONLINE RT series 1000 - 3000 VA PF - 1

PHASE 1/1



Colourful LCD



Blue LCD



Advanced Touch Screen



Battery Cabinet (Optional)



Optimized Battery Configuration 7/9Ah



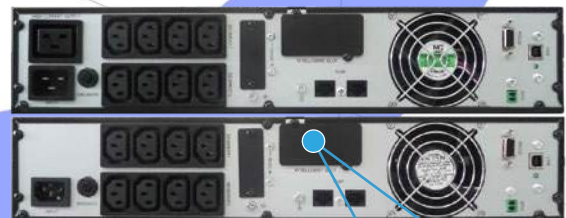
Multifunctional Bracket



The LCD Panel can be rotated

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/ Dry contact card/SNMP card optional)
- ◆ Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- ◆ PDU with maintenance bypass switch (Optional)



Optional Socket



Dry Contact Card

SNMP Card

BPU
SUPPORTED BY KSTAR

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PHASE 1/1

Technical Specifications

MODEL	MP RT 1k H				MP RT 1k S				MP RT 1.5k H				MP RT 1.5k S				MP RT 2k H				MP RT 2k S				MP RT 3k H				MP RT 3k S			
Capacity (VA/W)	1000/1000				1500/1500				2000/2000				3000/3000																			
INPUT																																
Nominal Voltage (Vac)	208/220/230/240																															
Operating Voltage Range (Vac)	110~300 (176~264 @ 100% load)																															
Power Factor	≥0.99																															
Bypass Frequency Range (Hz)	40~70 (50/60 Auto-Sensing)																															
OUTPUT																																
Nominal Voltage (Vac)	208/220/230/240																															
Voltage Regulation	±1%																															
Power Factor	0.9																															
Output Frequency (Hz)	Line mode: 46~54 or 56~64; Bat. mode: (50/60±0.1%)																															
Crest Factor	3:1																															
Harmonic Distortion (THDv)	≤3% Linear load; ≤5% Non linear load																															
Transfer Time (ms)	AC mode to Bat.mode: 0; Inverter to Bypass: 4 (Typical)																															
Waveform	Pure Sinewave																															
EFFICIENCY																																
AC Mode	Up to 90%				Up to 90.5%				Up to 91%				Up to 92%																			
ECO Mode	Up to 95%				Up to 96%				Up to 96%				Up to 97%																			
BATTERY																																
Battery Type	VRLA (Lead acid maintenance free battery)																															
Battery Voltage (Vdc)	24	36	24	36	36				48	72	48	72	72	96	72																	
Battery Capacity (Ah)	S: 7/9; H: Depends on the capacity of external batteries																															
Battery Quantity (pcs)	2	3	2	3	3				4	6	4	6	6	8	6																	
Typical Recharge Time (hours)	S: 4 (To 90% of full capacity)																															
Charging Current (Max.) (A)	6/12		1		6/12		1		6/12		1		6/12		1																	
MANAGEMENT																																
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																															
ENVIRONMENTAL																																
Operating Temperature ()	0~40																															
Storage Temperature ()	-25~55																															
Humidity Range	0~95%RH @ 0~40 (Non condensing)																															
Altitude (m)	<1000, derating required between 1000 to 3000																															
Noise Level (dB)	<50																															
PHYSICAL*																																
Dimension WxDxH (mm)	440×325×86.5			440×460×86.5	440×600×86.5 (440×460×86.5*)			440×460×86.5			440×600×86.5 (440×460×86.5*)			440×460×86.5			440×600×86.5 (440×460×86.5*)			440×600×86.5												
Weight (kg)	5.6		11.3	14	9.1 (8.1)		16.5		10.5 (8.6)		19.5		25		11 (8.8)		26															
STANDARDS																																
Safety	IEC/EN 62040-1, IEC/EN 62477-1																															
EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8																															
Performance	IEC 62040-3: 2021, EN IEC 62040-3: 2021																															

1. When output voltage is 208Vac, need to derate to 80% of the unit capacity
 2. Specifications are subject to change without prior notice
 3. Data above are typical values for reference only, not as a basis for engineering design
- * Short version: shorter depth and lighter weight
H: long run unit (battery not included)
S: standard unit



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PHASE 1/1

MP BR 1-3kVA Battery Pack Specification

MODEL	MP BR04024C	MP BR06036C	MP BR08048C	MP BR12072C
BATTERY SYSTEM				
Battery Type	VRLA (Lead acid maintenance free battery)			
Typical Battery Recharge Time (hours)	6~8 (To 90% of full capacity)			
Typical Battery Life (years)	3~5, depend on discharging cycle and ambient temperature			
System Voltage (Vdc)	24	36	48	72
Charging Current (Max.) (A)	1.4			
Battery Quantity (pcs)	4	6	8	12
Capacity (Ah)	9 (7 Optional)			
PHYSICAL				
Dimension WxDxH (mm)	440×430×86.5		440×550×86.5	440×710×86.5
Weight (kg)	17.4	22.5	31.5	44
ENVIRONMENTAL				
Operating Environment ()	0~40			
Humidity Range	0~95%RH @ 0~40 (Non condensing)			
Altitude (m)	<1000, derating required between 1000 to 3000			
Noise Level (dB)	<40			
STANDARDS				
Safety	IEC/EN 62040-1, IEC/EN 62477-1			

1. Specifications are subject to change without prior notice
2. Data above are typical values for reference only, not as a basis for engineering design
3. 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