



Gray LCD



Battery cabinet
(Optional)



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

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



Optional socket

Relay card

SNMP

Technical Specifications

Model	MC109100RB
Capacity	10000VA
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
Output frequency (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
Transfer time Inverter to Bypass	0ms
Overload bypass mode	63A (Breaker)
Output waveform	Pure Sinewave
Efficiency	
AC mode	94%
Battery	
Battery voltage	±96/±108/±120Vdc (Settable)
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)
Typical recharging time	6~8 hours (to 90% of full capacity)
Charging current (Max)	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×H (mm)	440 x 460 x 86.5
Net weight (kg)	18
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

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

Model	MC RB20120
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	1* ±10 PCS
Capacity	7Ah/9Ah (12V)
Physical	
Dimension W x D x H (mm)	440 x 680 x 131 (3U)
Net weight (kg)	58/63
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.

Remark: MC RB20120 "MC" means series; "RB" means Battery Rack; "20" means battery number inside the Rack; "120" means the battery system voltage.