

MC10910R

Power Range: 1kVA



Gray LCD



Battery cabinet
(Optional)



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

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: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	MC10910R
Capacity	1000VA/ 900W
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)	≤3% Linear load ; ≤5% Non linear load
Transfer time AC mode to Bat.Mode	0ms
Transfer time Inverter to Bypass	4ms (Typical)
Output waveform	Pure Sinewave
Efficiency	
AC mode	89%
Battery mode	85%
Battery	
Battery number	2 3
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%
Charging current (Max)	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)	440 x 325 x 85.6 440 x 460 x 86.5
Net weight (kg)	11.3 14
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.