

ON/OFF-GRID SOLAR INVERTER

HIGH FREQUENCY PURE SINE WAVE INVERTER

RG-MH ECO SERIES

MPPT

Original
Quality Certification
Made By Raggie



Features

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter can run without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 120A MPPT Solar charge:max 6200W(for 3.6KW), max 6500W (for 6.2KW)
- High PV input voltage range(60~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output



MODEL	RG-MH3.6KW ECO	RG-MH6.2KW ECO
Phase	1-phase	
Maximum PV Input Power	6200W	6500W
Rated Output Power	4200W	6200W
Maximum Solar Charging Current	120A	120A
GRID-TIE OPERATION		
PV Input(DC)		
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC	
Start-up Voltage/Initial Feeding Voltage	60VDC/ 90VDC	
MPPT Voltage Range	60~450VDC	
Number of MPPT Trackers/Maximum Input Current	1/18 A	1/22A
GRID OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	195.5~253VAC	
Nominal Output Current	18.2A	27.0A
Power Factor	>0.99	
Feed-in Grid Frequency Range	49~51±1Hz	
EFFICIENCY		
Maximum Conversion Efficiency(Solar to AC)	98 %	
TWO LOAD OUTPUT POWER(V2.0)		
Full Load	4200W	6200W
Maximum Main Load	4200W	6200W
Maximum Second Load(battery mode)	1400W	2067W
Main Load Cut Off Voltage	22VDC	44VDC
Main Load Return Voltage	26VDC	52VDC
OFF-GRID OPERATION		
AC INPUT		
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC	
Acceptable Input Voltage Range	90-280VAC or 170-280VAC	
Maximum AC Input Current	30A	40A
Nominal operating frequency	50/60Hz	
Surge power	8400W	10000 W
BATTERY MODE OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Output Waveform	Pure sine wave	
Efficiency(DC to AC)	94%	
BATTERY & CHARGER		
Nominal DC Voltage	24VDC	48VDC
Maximum Charging Current (Solar to AC)	120A	120A
Maximum AC Charging Current	100A	
GENERAL		
PHYSICAL		
Dimension,D X W X H(mm)	425*345-110	
Cartoon Dimension,D X W XH(mm)	500*415*180	
Net Weight(kgs)	9.5	10
Gross Weight(kgs)	10.5	11
INTERFACE		
Communication Port	RS232/WIFI/GPRS/LITHIUM BATTERY	