

ON/OFF-GRID SOLAR INVERTER

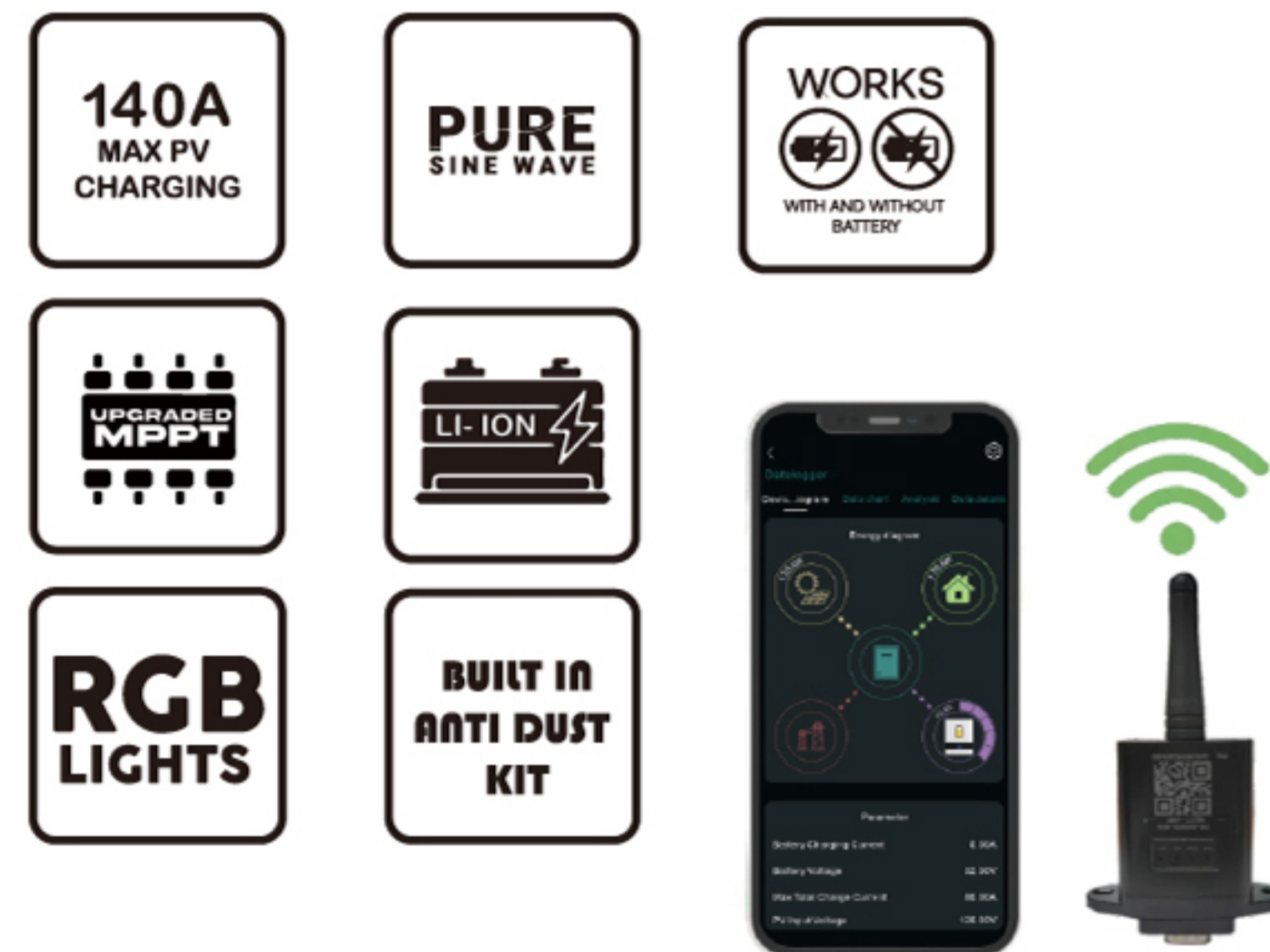
HIGH FREQUENCY PURE SINE WAVE INVERTER

RG-MH PRO SERIES



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(for 3.6KW/6.2KW)/140A(for 4.2KW) MPPT Solar charge: max 6200w(for 3.6kw/4.2kw), max 6500w (for 6.2kw)
- High PV input voltage range(90~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life



MODEL	RG-MH3600W PRO	RG-MH6200W PRO
Phase	1-phase	
Maximum PV Input Power	6200W	6200W
Rated Output Power	3600W	6200W
INPUT		
Voltage	120-140VAC/180VAC	
Selectable Voltage Range	90-280VAC or 170-280VAC	
Frequency Range	50/60Hz	
GRID OUTPUT(AC)		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	195.5~253VAC	
Nominal Output Current	15.7A	27.0A
Power Factor	>0.99	
Feed-in Grid Frequency Range	49~51±1Hz	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC±5%	
Surge Power	7200W	12400W
Efficiency (Peak)	94%	
Transfer Time	10 ms (For Personal Computers);20 ms (For Home Appliances)	
Waveform	Pure sine wave	
No Load Power Consumption	35W	62W
BATTERY		
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	29.2VDC	58.4VDC
Overcharge Protection	28.2VDC	56.4VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type		
Maximum PV Array Power	6200W	6500W
MPPT Range & Operating Voltage	90~450VDC	
Maximum PV Array Open Circuit Voltage	500VDC	
Maximum PV Input Current	30A	40A
Maximum Solar Charge Current	120A	120A
Maximum AC Charge Current	100A	
Maximum Charge Current(solar+AC)	120A	120A
PHYSICAL		
Dimension, D x W x H (mm)	440*310*140	
Carton Dimension, D X W XH(mm)	590*390*208	
Net Weight (kgs)	8.5	10
Gross Weight(kgs)	10	11
Communication Interface	RS232/WIFI/GPRS	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non - condensing)	
Operating Temperature	-10°C ~ 50°C	
STANDARD		
Compliance Safety	CE	