

# HYBRID SOLAR INVERTER

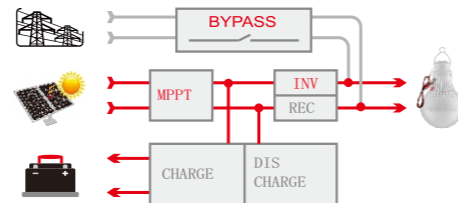
HIGH FREQUENCY PURE SINE WAVE INVERTER

## RG-MH MINI SERIES

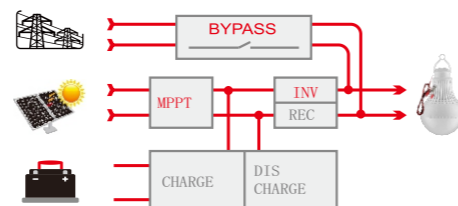


- Pure sine wave solar inverter
- Output power factor 1.0
- Wifi&GPRS available for IOS and android
- Built-in 80A MPPT solar charger
- High PV input voltage range (90~450VDC)
- Built-in anti-dusk kit for harsh environment
- Smart battery charge design to optimize battery life
- Can meet the rich custom needs of customers
- Compatible with lithium battery
- Solar energy is provided directly to the load first

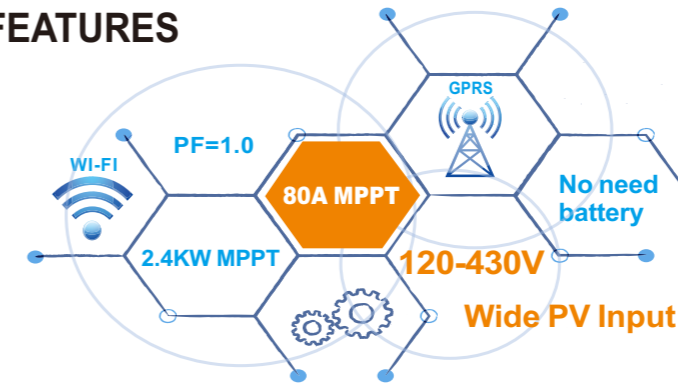
It combines a wide PV input range MPPT controller, can convert solar energy from PV to loads directly and the remaining solar energy converted to batteries synchronously.



When PV output is reduced by clouds or at night, resulting in no surplus PV power available, loads powered by batteries or utility. Clients can choose battery first or utility first.



### KEY FEATURES



- No need battery 98%
- 80A MPPT
- USB/RS232/GPRS WIFI
- IP21 Ingress Protection

Model	RG-MH1500W MINI	RG-MH2400W MINI
RATED POWER	1500VA/1500W	3000VA/2400W
<b>Input</b>		
Voltage	230VAC	
Selectable Voltage Range	170~280VAC(For Personal Computers) 90~280VAC(For Home Appliances)	
Frequency Range	50 Hz/60Hz(Auto sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation(Batt.Mode)	230VAC±5%	
Surge Power	3000W	4800W
Efficiency(Peak)PV to INV	97%	
Efficiency(Peak)Battery to INV	93%	
Transfer Time	10 ms (For Personal Computers);20 ms (For Home Appliances)	
<b>BATTERY &amp; AC CHARGER</b>		
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC
Overcharge Protection	16VDC	33VDC
Maximum Charge Current	60A	
<b>SOLAR CHARGER</b>		
Maximum PV Array Power	2000W	3000W
MPPT Range @ Operating Voltage	90-430VDC	
Maximum PV Array Open Circuit Voltage	450VDC	
Maximum Charging Current	80A	
Maximum Efficiency	98%	
<b>PHYSICAL</b>		
Dimension,D*W*H(mm)	348*270*95	
Net Weight(kgs)	4	5
Communication interface	USB/RS232/GPRS/WIFI	
<b>OPERATING ENVIRONMENT</b>		
Mumidity	5% to 95% Relative Humidity(Non~condensing)	
Operating Temperature	0°C~55°C	
Storage Temperature	-15°C~60°C	