

# HYBRID SOLAR INVERTER

HIGH FREQUENCY PURE SINE WAVE INVERTER

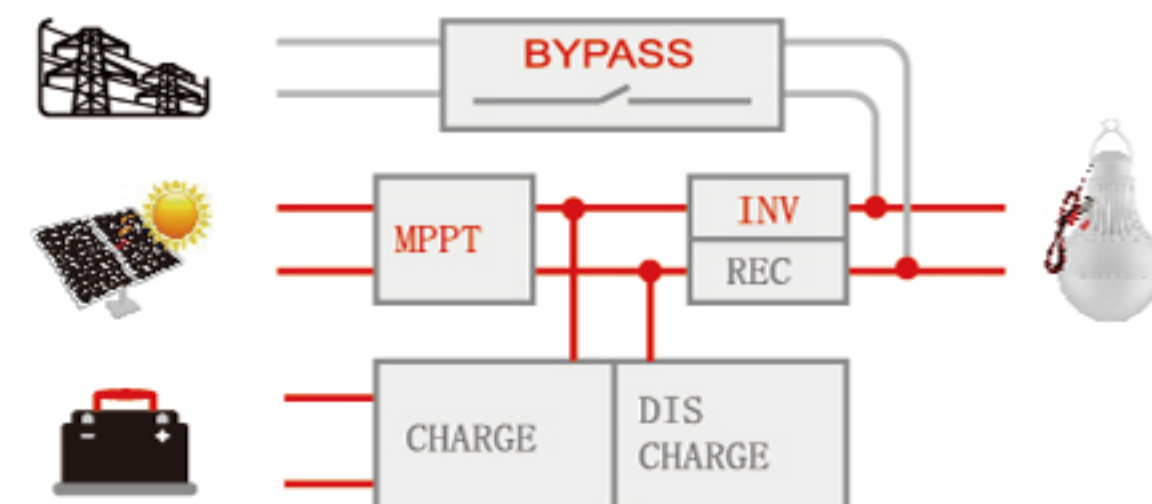
## RG-MH MINI SERIES



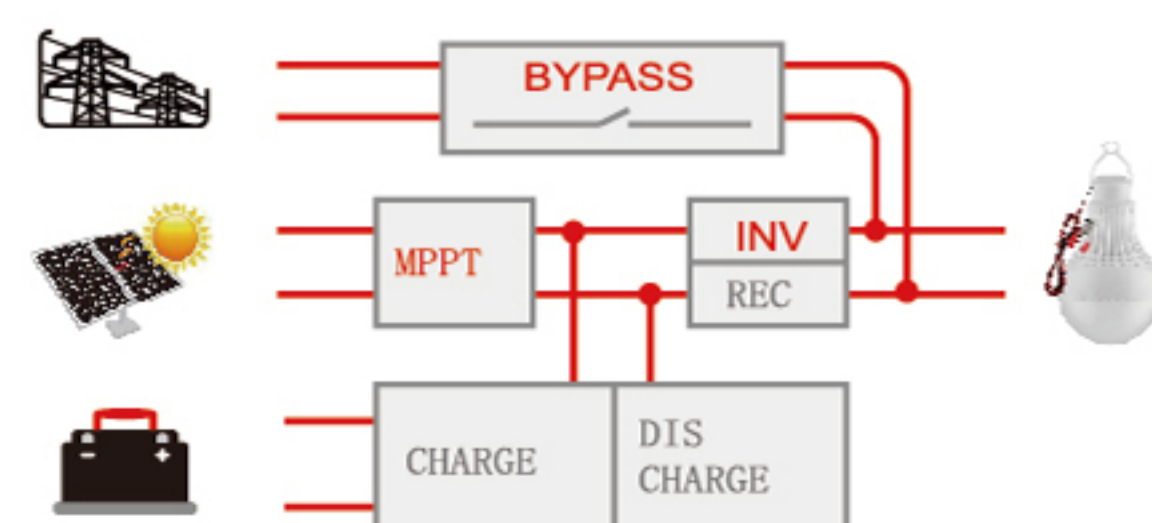
### Features

- Pure sine wave solar inverter
- Wifi&GPRS available for IOS and android
- Built-in 80A MPPT solar charger
- High PV input voltage range( 30~400VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- meet rich customized demands
- Compatible with lithium battery
- Solar energy is provided directly to the load first

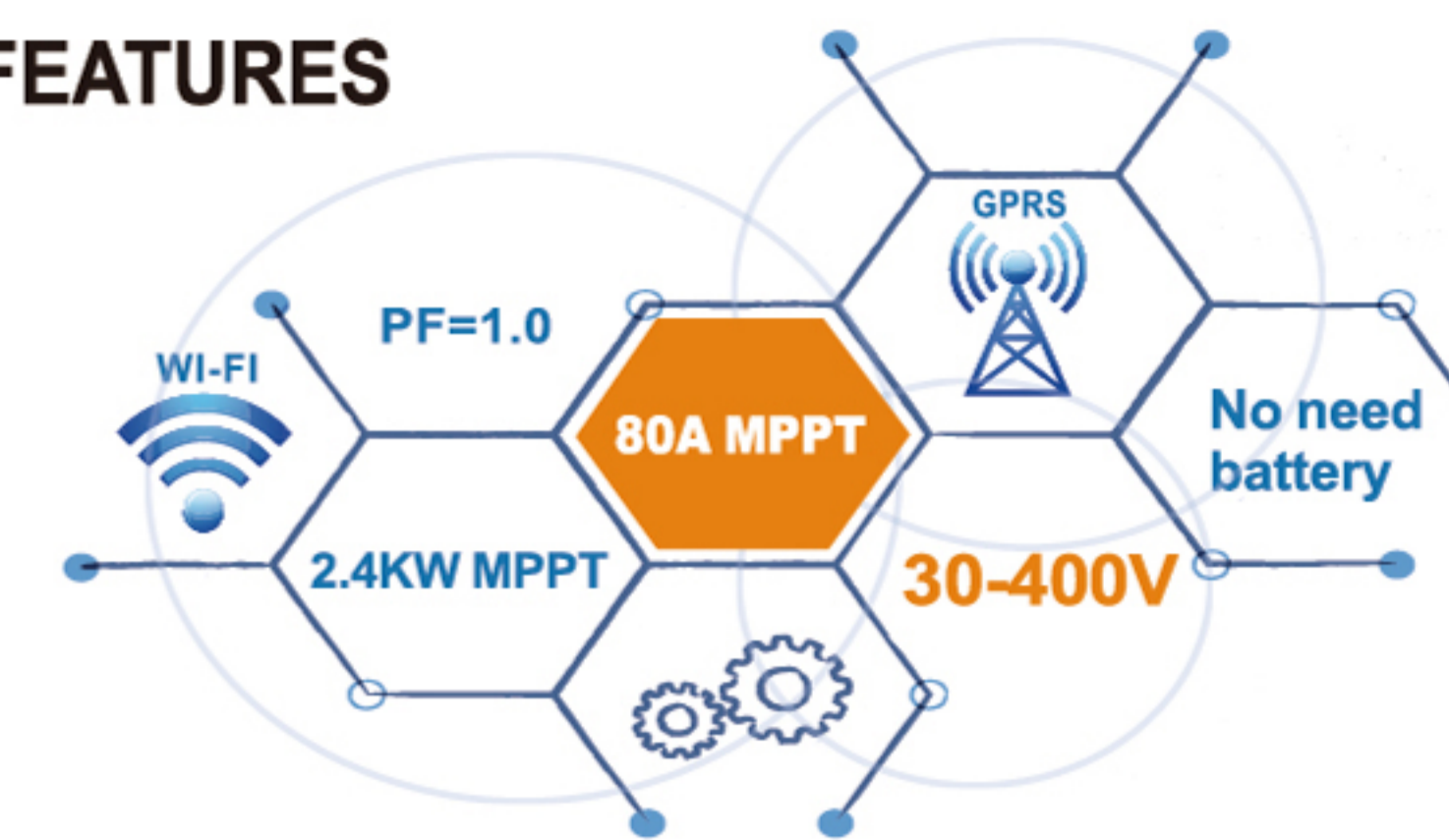
It combines a wide PV input range MPPT controller, can convert solar energy from PV to loads directly and the remaining solar energy converted to batteries synchronously.



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



- Max. Efficiency 98%
- 80A MPPT
- IP21 Ingress Protection
- APP
- RS232/GPRS WIFI
- LCD Display

Model	RG-MH1500W MINI	RG-MH2400W MINI
RATED POWER	2000VA/1600W	3200VA/3000W
AC Input		
Voltage	230VAC	
Selectable Voltage Range	170~280VAC(For Personal Computers) 90~280VAC(For Home Appliances)	
Frequency Range	50 Hz/60Hz(Auto sensing)	
AC OUTPUT		
AC Voltage Regulation	230VAC±5%	
Surge Power	4000VA	6400VA
Efficiency(Peak)PV to INV	98%	
Efficiency(Peak)Battery to INV	94%	
Transfer Time	10 ms (For Personal Computers);20 ms (For Home Appliances)	
BATTERY		
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC
Overcharge Protection	16VDC	33VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Power	2000W	3000W
MPPT Range @ Operating Voltage	30~400VDC	
Maximum PV Array Open Circuit Voltage solar	400VDC	
Max Input Current	1/13A	
Maximum Solar Charge Current	80A	
Maximum AC Charge Current	60A	
Maximum Charging Current (Solar+AC)	80A	
PHYSICAL		
Dimension,D*W*H(mm)	357*273*95	
Carton Dimension,D X W XH(mm)	440*340*170	
Net Weight(kgs)	5	5.6
Gross Weight(kgs)	6	6.3
Communication interface	RS232/GPRS/WIFI	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non - condensing)	
Operating Temperature	-10°C ~ 50°C	
STANDARD		
Compliance Safety	CE	