

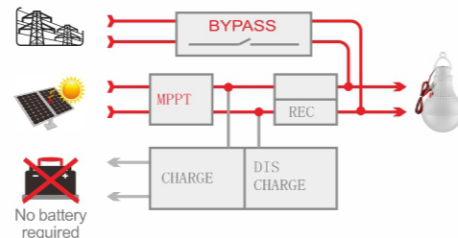
# HYBRID SOLAR INVERTER

HIGH FREQUENCY PURE SINE WAVE INVERTER

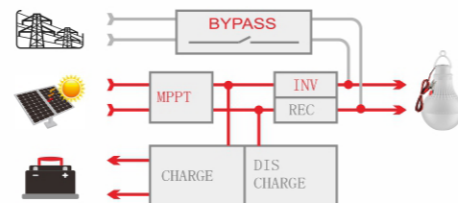
## RG-MH PLUS SERIES



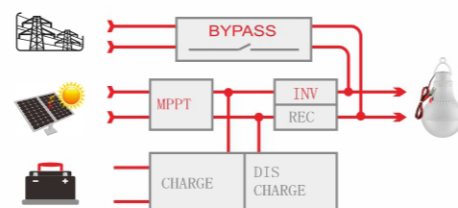
It can be running without batteries, energy shared from solar and utility to loads at the same time or alternatively. Without batteries, it can help clients to reduce the whole solar system cost and save electricity fee.



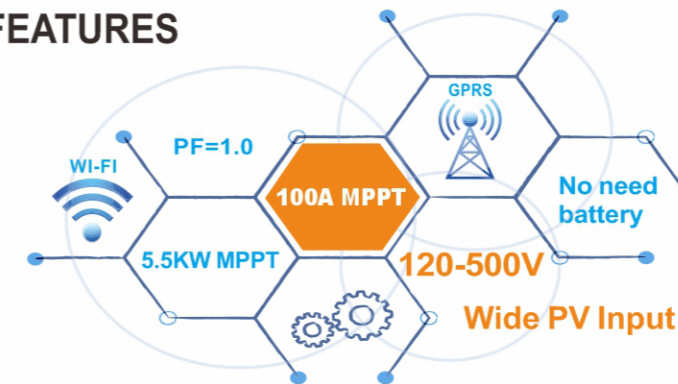
It combines a wide PV input range MPPT controller, can convert solar energy from PV to loads directly and the remaining solar energy converted to batteries synchronously.



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%

100A MPPT

USB/RS232/GPRS  
WIFI

IP21 Ingress  
Protection

Model	RG-MH3500W PLUS	RG-MH5500W PLUS
RATED POWER	3500VA/3500W	5500VA/5500W
<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	7000VA	11000VA
Efficiency(Peak)PV to INV	97%	
Efficiency(Peak)Battery to INV	94%	
Transfer Time	10 ms (For Personal Computers);20 ms (For Home Appliances)	
<b>BATTERY &amp; AC CHARGER</b>		
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	33VDC	63VDC
Maximum Charge Current	100A	100A
<b>SOLAR CHARGER</b>		
Maximum PV Array Power	5000W	6000W
MPPT Range @ Operating Voltage	120~450VDC	
Maximum PV Array Open Circuit Voltage	500VDC	
Maximum Charging Current	100A	100A
Maximum Efficiency	98%	
<b>PHYSICAL</b>		
Dimension,D*W*H(mm)	490*300*100	
Net Weight(kgs)	11	12
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	