



# HYBRID SOLAR INVERTER

HIGH FREQUENCY PURE SINE WAVE INVERTER

RG-MC SERIES



## FEATURES

- Pure sine wave solar inverter
- Built-in 40A MPPT solar charger
- PV input voltage range 20~150VDC(for 1000W)  
30~150VDC(for 1500W)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Meet rich customized demands
- Solar energy is provided directly to the load first



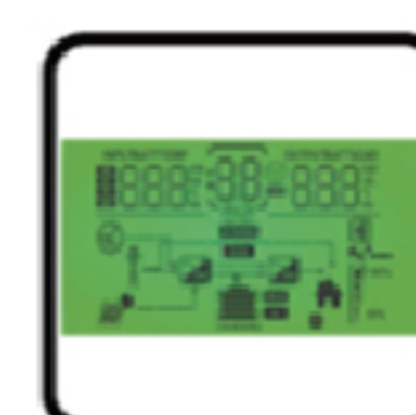
Max. Efficiency  
98%



IP21  
Ingress Protection



40A MPPT



LCD Display

MODEL	RG-MC-1000-12	RG-MC-1500-24
RATED POWER	1000W/1000VA	1500W/1500VA
AC INPUT		
Voltage	230VAC	
Selectable Voltage Range	170~280VAC(For Personal Computers) 90~280VAC(For Home Appliances)	
Frequency Range	50Hz/60Hz(Auto sensing)	
AC OUTPUT		
AC Voltage Regulation	230VAC±5%	
Surge Power	2000VA	3000VA
Efficiency(Peak)PV to INV	98%	
Efficiency(Peak)Battery to INV	94%	
Transfer time	10ms	
BATTERY		
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC
Overcharge Protection	16VDC	32VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Power	600W	1200W
MPPT Range @ Operating Voltage	20~150VDC	30~150VDC
Maximum PV Array Open Circuit Voltage solar	150VDC	
Maximum Solar Charge Current	40A	
Maximum AC Charge Current	40A	
Maximum Charging Current (Solar+AC)	80A	
PHYSICAL		
Dimension,D*W*H(mm)	290*240*91	
Carton Dimension,D X W XH(mm)	340*295*145	
Net Weight(kgs)	3	3.5
Gross Weight(kgs)	3.5	4
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non~condensing)	
Operating Temperature	-10℃ ~ 50℃	
STANDARD		
Compliance Safety	CE	