

RG-MH MAX SERIES ON/OFF-GRID INVERTER WITH ENERGY STORAGE

HIGH FREQUENCY PURE SINE WAVE INVERTER

RG-MH MAX SERIES

MPPT



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 160A MPPT solar charger (for 8.2kw,10.2kw), 140A(for 7.2kw)
- High PV input voltage range(90~ 500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output
- Dual PV input
- Touch button
- On Off Grid Work Mode



RGB LIGHT

RGB lighting for different working mode
RGB automatically switches with the working mode of the inverter:
Battery mode: red;
Utility mode: blue;
PV mode: purple;

Dual PV LCD Display



WIFI&GPRS available for ios and Andro



MODEL	RG-MH8.2KW MAX		RG-MH10.2KW MAX	
Phase	1-phase			
Maximum PV Input Power	8200W	5400W+5400W	10200W	5400W+5400W
Rated Output Power	8200W/8200VA		10200W/10200VA	
Maximum Solar Charging Current	160A		160A	
GRID-TIE OPERATION				
PV INPUT (DC)				
Nominal DC Voltage/Maximum DC Voltage	360/500VDC			
Start-up Voltage / Initial Feeding Voltage	90VDC/120VDC			
MPPT Voltage Range	90~450VDC			
Maximum Input Current	1/23A	2/18A	1/23A	2/18A
GRID OUTPUT (AC)				
Nominal Output Voltage	220/230/240VAC			
Output Voltage Range	190~253VDC			
Nominal Output Current	35.6A		44.3A	
Power Factor	>0.99			
EFFICIENCY				
Maximum Conversion Efficiency (DC/AC)	98%			
TWO LOAD OUTPUT POWER				
Full Load	8200W		10200W	
Maxium Main Load	8200W		10200W	
Maxium Second Load(battery mode)	2733W		3400W	
Maxium Load Cut Off Voltage	52VDC		52VDC	
Maxium Load Return Voltage	54VDC		54VDC	
OFF-GRID OPERATION				
AC INPUT				
AC Start-up Voltage / Auto Restart Voltage	120-140VAC/180VAC			
Acceptable Input Voltage Range	90-280VACor170-280VAC			
Frequency Range	49~51±1HZ			
Maximum AC Input Current	40A		50A	
PV INPUT (DC)				
Nominal DC Voltage/Maximum DC Voltage	360/500VDC			
MPPT Voltage Range	90~450VDC			
Maximum Input Current	1/23A	2/18A	1/23A	2/18A
BATTERY MODE OUTPUT (AC)				
Nominal Output Voltage	220/230/240VAC			
Output Waveform	Pure sine wave			
Efficiency (DC to AC)	94%			
BATTERY & CHARGER				
Nominal DC Voltage	48VDC			
Maximum Solar Charging Current	160A		160A	
Maximum AC Charging Current	140A		140A	
Maximum Charging Current	160A		160A	
HYBRID OPERATION				
PV INPUT (DC)				
Nominal DC Voltage/Maximum DC Voltage	360/500VDC			
Start-up Voltage / Initial Feeding Voltage	90VDC/120VDC			
MPPT Voltage Range	90~450VDC			
Maximum Input Current	1/23A	2/18A	1/23A	2/18A
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