

HYBRID SOLAR INVERTER

• HIGH FREQUENCY PURE SINE WAVE INVERTER

RG-MT SERIES

New
MODEL



Original
Quality Certification
Made By Raggie

- Pure sine wave inverter
- Built-in MPPT solar charge controller
- Built-in battery equalization function extend battery life cycle
- Selectable input Voltage Range for home appliances and personal computers

- Selectable charging current based on applications
- Can gurable AC/Solar input priority via LCD setting
- Compatible with mains voltage or generator power
- Parallel operation with up to 6 units only available for RG-MT 5KVA



Solar Power and AC Power available



Model	RG-MT2000VA-24	RG-MT3000VA-24	RG-MT3000VA-48	RG-MT5000VA-48
Rated Power	2000VA 1600W	3000VA 2400W	3000VA 2400W	5000VA 4000W
Parallel Capability	No	No	No	yes,6 units
Input				
Voltage	230 VAC			
Selectable Voltage Range	170-280 VAC (For Personal Computers); 90-280 VAC (For Home Appliances)			
Frequency Range	50 Hz /60 Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation (Batt. Mode)	230VAC± 5%			
Surge Power	4000VA	6000VA	6000VA	10000VA
Efficiency (Line Mode)	> 95% (Rated R load, battery fully charged)			
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)			
Waveform	Pure Sine Wave			
BATTERY & AC CHARGER				
Battery Voltage	24 VDC	24 VDC	48 VDC	48 VDC
Bulk Charge Voltage				
Flooded Battery	29.2 V		58.4 V	
AGM/GEL Battery	28.2 V		56.4 V	
Floating charging voltage	27.0 V		54.0 V	
SOLAR CHARGER & AC CHARGER				
Maximum PV Array Power	600W	1500W	3000W	3000W
MPPT Range @ Operating Voltage	30VDC - 66VDC	60VDC - 115VDC		
Maximum PV Array Open Circuit Voltage	75 VDC	145 VDC		
Maximum Solar Charge Current	25A	60A		
Maximum AC charge Current	30A	30A	15A	60A
Maximum Charge Current	55A	55A	75A	120A
Maximum Efficiency	98%			
Standby Power Consumption	2W			
PHYSICAL				
Dimension, DxWxH(mm)	480 x 365 x 225	575x400x250		650 x 400 x 250
G.W(kgs)	8.9	12.5	13.1	14.5
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature	0 °C to 55°C			
Storage Temperature	-15 °C to 60°C			

* There are charging current selection only available for 230VAC system.