

POWER INVERTER

HIGH CONVERSION EFFICIENCY

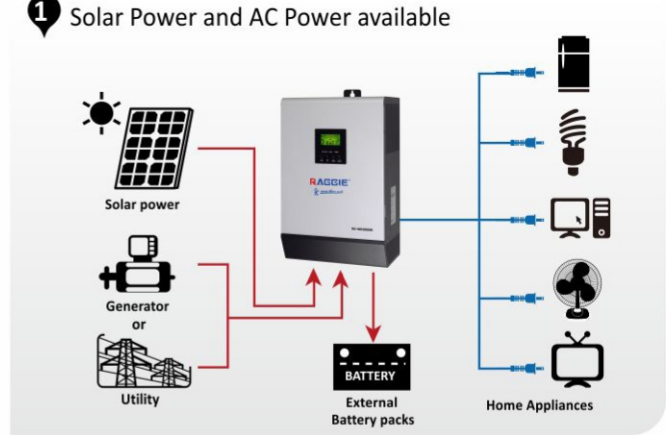
RG-MS SERIES



Pure sine wave inverter
 Output power factor 1 (only 0.8 for 3KP/5KP models)
 Built-in battery equalization function to extend battery life cycle
 Built-in MPPT solar charge controller
 Selectable input voltage range for home appliances and personal computers

Selectable charging current based on applications
 Configurable AC / Solar input priority via LCD setting
 Compatible with mains voltage or generator power.
 Parallel operation with up to 9 units only available for RG-MS 3KP/4KVA/5KVA

1 Solar Power and AC Power available



MODEL	RG-MS 1K-24	RG-MS 1K-48	RG-MS 2K-48	RG-MS 3K-24	RG-MS/U 3K-24	RG-MS/U 3K-48	RG-MS/U 4K-48	RG-MS/U 5K-48	RG-MS/U 5KP-24
Rated Power	1000VA/ 1000W	1000VA/ 1000W	2000VA/ 2000W	3000VA/ 3000W	3000VA/ 2400W	3000VA/ 3000W	4000VA/ 4000W	5000VA/ 5000W	5000VA/ 4000W
Parallel Capability	NO	NO	NO	NO	Yes, 9 units	NO	Yes, 9 units	Yes, 9 units	Yes, 9 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	2000VA	4000VA	6000VA	8000VA	10000VA				
Efficiency (Peak)	90%	93%	90%	93%	90%				
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)								
Waveform	Pure sine wave								
BATTERY									
Battery Voltage	24 VDC	48 VDC	24 VDC	24 VDC	48 VDC	48 VDC	24 VDC		
Floating Charge Voltage	27 VDC	54 VDC	27 VDC	Default: 24 VDC, Max:30 VDC	54 VDC	54 VDC Max: 58VDC (optional 64VDC, please check with sales)	Default: 24 VDC, Max:30 VDC		
Overcharge Protection	31 VDC	62 VDC	31 VDC	30 VDC	62 VDC	60 VDC (optional 66VDC, please check with sales)	30 VDC		
SOLAR CHARGER & AC CHARGER									
Maximum PV Array Power	600W	900W	600W	600W	1000W	900W	4000W	2000W	
MPPT Rag @ Operating Voltage	30VDC- 66VDC	60VDC- 88VDC	30VDC- 66VDC	30VDC- 66VDC	30VDC- 80VDC	60VDC- 88VDC	60VDC- 115VDC	30VDC- 115VDC	
Maximum PV Array Open Circuit Voltage	75VDC	102VDC	75VDC	75VDC	100VDC	102VDC	145VDC	145VDC	
Maximum Solar Charge Current	25A	18A	25A	25A	40A	18A	80A	80A	
Maximum AC Charge Current	20A	15A	30A	30A	60A	15A	60A	60A	
Maximum Charge Current	45A	33A	55A	55A	100A	33A	140A	140A	
Maximum Efficiency	98%								
Standby Power Consumption	2W								
PHYSICAL									
Dimension, D x W x H (mm)	100 x 272 x 355				120 x 295 x 385	120 x 295 x 468	120 x 295 x 468		180 x 310 x 475
Net Weight (kgs)	6.8	7.0	7.4	7.5	7.4	12.5	13.5	12.5	
ENVIRONMENT									
Humidity	5% to 95% Relative Humidity (Non-condensing)								
Operating Temperature	0°C - 55°C								
Storage Temperature	-15°C - 60°C								

There are charging current selection only available for 230VAC system. Product specifications are subject to change without further notice.