RG-SOLAR-GR-SERIES

Solar Generator 1500W/2000W

RANGER

- 3 times peak power, excellent loading capability.
- Combine inverter/solar controller/battery all in one.
- Multiple output: 2*AC output socket, 4*DC 12V, 2*USB.
- Working mode AC prior/ECO mode/Solar prior selectable.
- AC charging current 0-30Aselectable.
- Digital LCD and LED for visualization of operation status of the equipment.
- Inbuilt automatic AC charger and AC mains switcher.

*All image and specification is subject to change without prior notice.

*Battery not included,available for separate purchase

Technical Data	RG-SOLAR-GR-1500	RG-SOLAR-GR-2000
Capacity		
Rated Power	1500W	2000W
Peak Power (20ms)	4500VA	6000VA
Input		
Stardard battery voltage	24VDC	
AC input voltage range	85VAC~138VAC (110VAC) / 95VAC~148VAC (120VAC) / 170VAC~275VAC (220VAC)/ 180VAC~285VAC (230VAC)/ 190VAC~295VAC (240VAC)	
AC input frequency range	45Hz~55Hz（50Hz);55Hz~65Hz（60Hz)	
Output		
Conversion efficiency	≥85%(Battery mode); >99%(AC mode)	
AC Output voltage	110VAC±2% / 120VAC±2% / 220VAC±2% / 230VAC±2%/ 240VAC±2%(Battery mode); 110VAC±10% / 120VAC±10% / 220VAC±10% / 230VAC±10% / 240VAC±10%(AC mode)	
AC Output frequency	50/60Hz±1%(Battery mode); Tracking Automatically(AC mode)	
AC Output waveform	Pure Sine Wave	
THD	≤3%（Linear load)	
DC Output voltage	4*DC 12V; 4*USB（5V）	
AC Charger		
AC charging current	0~30A(Depends on model)	
AC charging method	Three-stage(constant current, constant voltage, floating charge)	

Solar Charger（Optional）		
Charging mode	PWM/MPPT	
Max PV input voltage(Voc) (At the lowest temperature)	PWM: 50V; MPPT: 150V	
PV input voltage range	PWM:30V~44V; MPPT: 30V~120V	
Charge & discharge current	60A	
Max PV input power	1680W	
Inbuilt Battery		
Capacity	2*200AH	
Battery size(LxWxH)/pcs	522*240*218（244）	
Other		
Transfer time	≤4ms	
Protection	with over-voltage, low-voltage, overload, short circuit, high tempreature protections	
Display	LCD & LED	
Cooling way	Cooling fan in intelligent control	
Communication(Optional)	RS485/APP（WIFI monitoring or GPRS monitoring）	
Working Mode (Selectable)		
d1	AC priority mode	
d2	ECO mode	
d3	Solar priority mode	
Work Environment		
Operating temperature	-10°C~40°C	
Storage temperature	-15°C~60°C	
Elevation	2000m（More than derating）	
Humidity	0%~95% ,No condensation	
Physical		
Dimention L x W x H(mm)	560*350*928	
Net weight(kg)(without battery)	37	39
Packing		
Dimention L x W x H(mm)	638*427*1063	
Gross weight(kg)(without battery)	47	49
Quantity/CTN	1pcs per wooden case	

Dimension Drawings (mm)

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Ordering Info
Model
RG-SOLAR-GR-1500
RG-SOLAR-GR-2000