

OFFGRID INVERTER

- Dual output for smart load management
- Maximum PV input current 27A
- Wide PV input voltage range 60VDC~450VDC
- Customizable status LED ring with RGB lights
- Touchable button with large 4.3" colored LCD
- Built-in Wifi for mobile monitoring (Android/iOS App available)
- Supports USB On-the-Go function
- Data log event stored in the inverter
- Reserved communication port (RS485, CAN-BUS or RS232) for BMS
- Battery independent design
- Battery equalization extends lifecycle
- Enhanced charging power
- Built-in anti-dust kit

RAYVERTER
Smart + Connect

Rating : 4KVA & 6KVA



Technical Datasheet

Model Name	RAYVERTER 4KVA	RAYVERTER 6KVA
Rated Power	4000VA/4000W	6000VA/6000W
INPUT		
Voltage	230VAC	
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	230 VAC ± 10%	
Surger Power	8000VA	12000VA
Efficiency (Peak)	93 % at Line Mode, 90% at Battery Mode	
Transfer Time	10 ms (For Personal Computers)	
	20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	33VDC	63VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger type	MPPT	
Maximum PV Array Power	5000W	6000W
MPPT Range @ Operating Voltage	60 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500VDC	500VDC
Maximum PV Input Current	27A	
Maximum Solar Charge Current	120A	120A
Maximum AC Charge Current	100A	100A
Maximum Charge Current	120A	120A
PHYSICAL		
Dimension, D*W*H (mm)	119 x 313.6 x 457.5	
Net Weight (Kg)	10.0	12.0
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

* Product specifications are subject to change without further notice