

Rebel

ENERGY

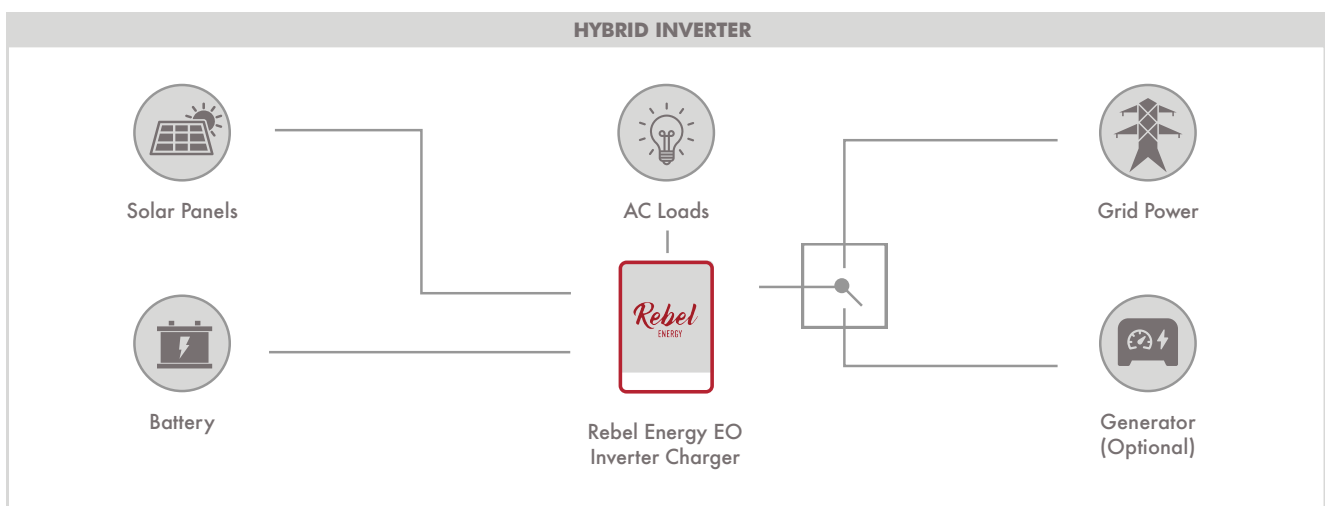


Welcome to the power network - Rebel Energy EO Series.

At Rebel Energy we believe that access to clean, affordable and reliable electricity is basic right that should be afforded to everyone. With this being front and centre, we brought together a combined 27 years of hands on renewable energy field experience to design the Rebel EO. The EO is a total hybrid solar inverter charger built for Every One. Built Tough for real word rugged conditions, the Rebel EO Series combines high quality manufacturing with cutting edge technology at an affordable price.

With 3 Models from 1000VA to 5000VA in capacity and input voltages that range from 12V to 48V, the EO Series has the flexibility to meet most demands. Pure Sine Wave True Hybrid Inverter capacity is combined with built in next generation MPPT Charge Controllers designed to charge all battery types with field ready preset points to maximize battery life.

The EO's AC charging units are designed for all modes and to meet the needs of high technology appliances with a super fast 10 ms transfer time. Smart Hybrid technology allows you to prioritize the solar input to directly power connected loads even while the grid is connected, saving you money and prioritizing your renewable energy resources. All these state of the art features are clearly communicated through a built in LCD Screen with additional data resources available through RS 232 Communication Ports.



Product Features

- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible with mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function

Technical Specifications

	EO 1000	EO 3000	EO 5000
Rated Power	1000VA / 1000W	3000VA / 2400W	5000VA / 4000W
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 \pm 5%		
Surge Power	2000VA	6000VA	10000VA
Efficiency (Peak)	90% ~ 93%		
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)		
Waveform	Pure Sine Wave		
Battery			
Battery Voltage	12 VDC	24 VDC	48 VDC
Floating Charge Voltage	13.5 VDC	27 VDC	54 VDC
Overcharge Protection	16 VDC	33 VDC	63 VDC
Solar Charger & AC Charger			
Solar Charger type	MPPT	MPPT	MPPT
Maximum PV Array Open Circuit Voltage	102 VDC	145 VDC	145 VDC
Maximum PV Array Power	500 W	1500 W	3000 W
MPP Range @ Operating Voltage	17~80 VDC	30~115 VDC	60~115 VDC
Maximum Solar Charge Current	40 A	60 A	60 A
Maximum AC Charge Current	20 A	60 A	60 A
Maximum Charge Current	60 A	120 A	120 A
Physical			
Dimension, D x W x H (mm)	88 x 225 x 320	100 x 300 x 440	
Net Weight (kgs)	4.4	9.5	9.7
Communication Interface	USB/RS232		
Environment			
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-15°C to 60°C		