

# BATTERY EVO

## 48V 6kW INVERTER

INV002



### INVERTER SPECS

**System Voltage:** 48V  
**AC Input Voltage:** 180-250V AC  
**AC Output Voltage:**  
120V / 240V AC split phase @60hz  
**PV Charging Voltage:** 60-180V DC  
**MPPT PV Charging Current:** 60A/120A  
**Output Power:** 6000W  
**DC Input Voltage:** 48V DC  
**Conversion Efficiency:** ≈ 90%  
**Conversion Time:** <8ms  
**Output Frequency:** 88%



**WARNING:** Do NOT block, wrap, or cover the inverter.

**Heat Dissipation Time:** <8ms  
**Altitude:** ≤ 1.86 mi (3km)  
**Heat Dissipation Solution:**  
Intelligent Temperature Control  
**Optimal Temperature Range:**  
-10°C (14°F) - 35°C (95°F)

### INVERTER SIZE

**Weight:** 74 lbs. (33.6 kg)  
**Width:** 18.5 in (470 mm)  
**Depth:** 26 in (660 mm)  
**Height:** 12.2 in (310 mm)



### PARAMETERS

*Note: Bulk, Absorption, Float, and Equalize are the important data for the inverter. These data should be provided by the batteries.*

**Standard Battery Voltage:** 48V  
**Battery DC Low Voltage Cutoff:** 46.4V  
**Cut-off Voltage:** 57.2V  
**Suggested Inverter Low Voltage Setting:** 48V

### FAQ'S

#### How do I connect the inverter into my existing system?

We offer a standard 175A Anderson Connector to Ring Terminal cable. Also, there is a Terminal Block for AC input and output.

#### How to Calculate Household Electricity Usage?

First of all, list out all significant electrical appliances, devices, and fixtures in your household. And then, check the labels, user manuals, or manufacturers' websites for each appliance or device to find its power consumption in watts (W) (1kW = 1,000W). Next, determine the average number of hours (h) each item is used per day. This might require some guesswork, tracking, or referring to utility bills. Multiply the wattage of each item by the number of hours you use it daily to get the daily energy usage for that item in watt-hours(Wh). Energy (Wh) = Wattage(W) × Hours(h). Remember, the above method provides an estimate. Your actual energy usage can vary based on factors like the efficiency of your appliances, behavioral habits, or even things like the insulation of your home.

#### What is the warranty on this inverter?

We offer a comprehensive 1 year warranty on all of our inverters.

### APP DOWNLOAD



BatteryEVO(iOS)



BatteryEVO(Android)

### Contact Us

Phone: (818) 337-0929  
Email: Sales@batteryevo.com

Hours: Monday - Friday 9:00 AM to 5:00 PM PST  
Address: 8966 Mason Ave, Chatsworth, CA 91311