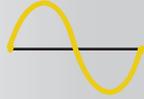




# EG4 6000EX-48HV

## INVERTER / CHARGER

**PURE SINE  
WAVE**



**CONTINUOUS  
OUTPUT** **6000W**

**BATTERY  
VOLTAGE** **48V**

The EG4 6000EX-48HV is a Standalone, Split Phase Output 48 volt based All-in-one Inverter, AC Charger and Solar MPPT Charge Controller unit.

Parallel capacity is built in with systems up to 9 units and 54kW capacity being possible.

The unit has a communication platform based on the integrated LCD Control Panel allowing for on-site configuration, remote display, firmware updates and WiFi based cloud monitoring.

### 6000W Continuous Output

6000W 120/240VAC output with 7500W maximum PV input

### 500 VDC Max

Extra high voltage means smaller wire size. Skip the combiner box too!

### Parallel Up To 9 Units

9 Single Phase 120/240VAC max system size

### Detachable LCD Control Module

Take control of your information! With this detachable design you can mount your screen where it is convenient for you!!

### Built-In WIFI

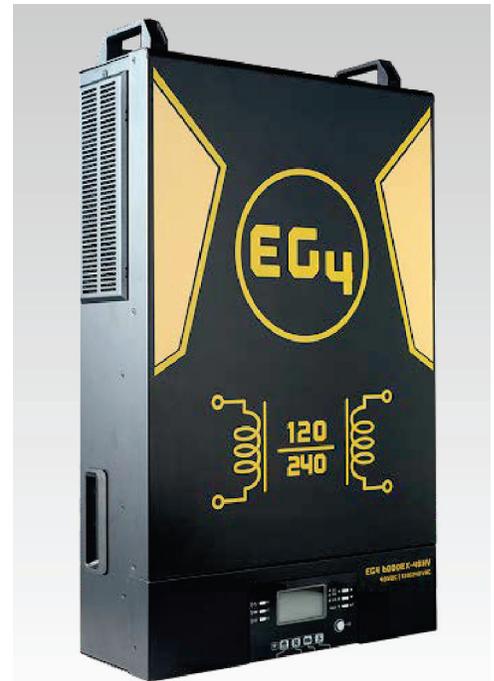
Wireless communication between the inverter and the monitoring platform (app available in both the Apple & Google Play Store.)

### 120/240 AC Output in a Single Unit

The built in Pure Copper Transformer will produce 120/240v power in each unit.

### Works with practically every 48v Battery

All batteries supported, Flooded, Gel, AGM And Generic Lithium, as well as On board optimization for EG4 batteries (free 2 year warranty extension based on integration testing)



**COMPATIBLE WITH ALL  
48V EG4 ELECTRONICS  
BATTERIES**



# EG4 6000EX-48HU

## INVERTER / CHARGER

GENERAL INVERTER SPECIFICATIONS	
Number of Stackable Inverters	9
Nominal AC Input Voltage	120/240 VAC (L1/L2/N required)
Max AC Input Voltage Per Leg	140VAC
Nominal Input Frequency	50 Hz / 60 Hz (Auto Detection)
Transfer Time	UPS Mode- 10 ms typical   Appliance Mode- 20 ms typical
BACKUP MODE SPECIFICATIONS	
Rated Output Power	6kVA / 6000W
Output Voltage Waveform	Pure Sine Wave (<3% THD)
Output Voltage Regulation	120 / 240VAC +/- 5%
Output Frequency	57Hz or 63Hz (selectable)
Battery to Inverter Efficiency	93% Peak
PV to Inverter Efficiency	95% Peak
Overload Protection	5s @ 150% Load   10s @ 110% to 150% Load
Surge Capacity	12kW for 1 Second
SOLAR INPUT SPECIFICATIONS	
Rated Power	7500W
Max PV Array Open Circuit	500VDC
MPP Range	120VDC - 480VDC
Max Input Current Draw	27A
Number of MPPTs	1
Max Charging Current (PV alone, or combined AC and PV)	120A
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature Range	-10°C to 50°C
Application Type	Indoor only
Humidity	0% to 90% Relative Humidity (non-condensing)
IP Rating	IP21
Idle Power Consumption	115W Average
Operating Altitude	0~1500 Meters
PHYSICAL SPECIFICATIONS	
Dimensions (H x W x D) Inches (mm)	23-3/8" x 14-3/8" x 5-1/2" (593.6 x 365 x 138.4)
Net Weight Pounds	36 kgs (78) lbs
WARRANTY INFORMATION	
Warranty	5 Years with EG4 Batteries in closed loop, 3 years stand-alone use