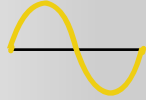




# EG4 3000 EHV-48

## INVERTER / CHARGER

**PURE SINE  
WAVE**



**CONTINUOUS  
OUTPUT** **3000W**

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

The EG4 3000 EHV-48 is a multi-function inverter/charger, combining the capabilities of an inverter, MPPT solar charger, and battery charger to offer uninterrupted power support in a portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation including: battery charging current, AC/Solar Charger priority, and acceptable input voltage based on different applications.

### 3000W Continuous Output

Power your electronics without worry. The pure sine wave inversion and power factor correction provides clean, reliable inverter power with low total harmonic distortion.

### 500 VDC Max Input

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

### Parallel Up To 12 Units

12 Single Phase | 2 x 6 Split Phase | 3 x 4 Three Phase

### Lightweight

ONLY 18lbs! Lift less and power more!

### Smaller Footprint Than Other Comparable Models

17 inches tall, 11.75 inches wide, and 4 inches deep.

### Overload Protection

5sec @ 150% Load & 10sec @ 110% - 150% Load

### Overtemperature Protection

Shield your unit from inclement weather with an extra layer of overtemperature protection.

### Short Circuit Protection

Safely power higher amperage loads with peace of mind - the short circuit feature will protect your unit from overcharging.



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



# EG4 3000 EHV-48

## INVERTER / CHARGER

### LINE MODE SPECIFICATIONS

Number of Stackable Inverters	12
Nominal Input Voltage	120 VAC
Max AC Input Voltage	150 VAC
Nominal Input Frequency	50 Hz / 60 Hz (Auto Detection)
Transfer Time	UPS - 10 ms typical   Appliance - 20 ms typical

### INVERTER MODE SPECIFICATIONS

Rated Output Power	3kVA / 3kW
Output Voltage Waveform	Pure Sine Wave (<3% THD)
Output Voltage Regulation	110 / 120VAC +/- 5%
Output Frequency	50Hz or 60Hz (selectable)
Battery to Inverter Efficiency	94% Peak
PV to Inverter Efficiency	97% Peak
Overload Protection	5s @ 150%-200% Load   10s @ 110% to 150% Load
Surge Capacity	6kW for 5 Seconds

### SOLAR INPUT SPECIFICATIONS

Rated Power	5000W
Max PV Array Open Circuit	500VDC
PV Array	120VDC - 450VDC
Max Input Current Draw	18A
Number of MPPT	1
Max Charging Current (PV)	80A

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range	-10°C to 55°C
Storage Temperature Range	-15°C to 60°C
Humidity	5% to 95% Relative Humidity (non-condensing)
IP Rating	IP21
Idle Power Consumption	<50W, <15W (Saving Mode)
Operating Altitude	0-1500 Meters

### PHYSICAL SPECIFICATIONS

Dimensions (D x W x H) Inches	17.6" x 11.6" x 4.1" (4.8")
Net Weight Pounds	21.6 (26.8 ship) lbs

### WARRANTY INFORMATION

Warranty	3 Years
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