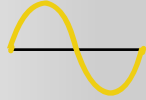




EG4 3000 EHV-48

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% 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	18 (18.7) lbs

WARRANTY INFORMATION

Warranty	3 Years
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