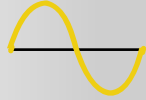




# EG4 6500 EX-48

## INVERTER / CHARGER

**PURE SINE  
WAVE**



**CONTINUOUS  
OUTPUT** **6500W**

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

The EG4 6500 EX-48 is a residential self consumption, multi-functional inverter/charger, combining the capabilities of an inverter, MPPT solar charger, and a battery charger to offer uninterrupted power support in a single package. The comprehensive LCD display offers user configurable and easily-accessible button operation including: battery charging current, AC/Solar charger priority, and acceptable input voltage based on different applications.

### 6500W Continuous Output

6500w output with 8000w maximum input. Dual MPPT's can be used individually or in parallel with each other.

### 500 VDC Max Input

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

### Parallel Up To 6 Units

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

### 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.

### Overload Protection

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

### 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 6500 EX-48

## INVERTER / CHARGER

### LINE MODE SPECIFICATIONS

Number of Stackable Inverters	6
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	6.5kVA / 6.5kW
Output Voltage Waveform	Pure Sine Wave (<3% THD)
Output Voltage Regulation	110 / 120VAC +/- 5%
Output Frequency	50Hz or 60Hz (selectable)
Battery to Inverter Efficiency	90% Peak
PV to Inverter Efficiency	93% Peak
Overload Protection	5s @ 150%-200% Load   10s @ 110% to 150% Load
Surge Capacity	13kW for 5 Seconds

### SOLAR INPUT SPECIFICATIONS

Rated Power	8000W
Max PV Array Open Circuit	500VDC
PV Array	90VDC - 450VDC
Max Input Current Draw	18A per MPPT
Number of MPPT	2
Max Charging Current (PV)	120A

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range	-10°C to 40°C
Storage Temperature Range	-15°C to 60°C
Humidity	5% to 95% Relative Humidity (non-condensing)
IP Rating	IP21
Idle Power Consumption	70W
Operating Altitude	0-1500 Meters

### PHYSICAL SPECIFICATIONS

Dimensions (D x W x H) Inches	5.85" x 17.02" x 24.43"
Net Weight Pounds	40 lbs

### WARRANTY INFORMATION

Warranty	3 Years
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