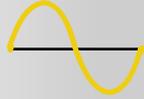




EG4 6500 EX-48

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% 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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