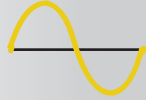




# EG4 8KEXP-240V

## HYBRID INVERTER / CHARGER

**PURE SINE  
WAVE**



**CONTINUOUS  
OUTPUT 8000W**

**BATTERY  
VOLTAGE 48V**

The EG4 8KEXP-240V is a standalone, split-phase output 48 volt based all-in-one hybrid-inverter, AC charger and solar MPPT charge controller unit.

Parallel capacity is built in with systems up to 4 units and 32kW capacity being possible.

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

### True Hybrid AC Output

Sell excess power back to the grid

### 8000W Continuous Output

8000W 120/240VAC output with 12,000W maximum PV input

### 500 VDC Max

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

### Parallel Up To 4 Units

9 Single Phase 120/240VAC max system size

### Attachable WIFI unit

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)



**Closed loop  
communication with  
EG4-LL 48V and  
LifePower4 48V batteries**



# EG4 8KEXP-240V

## HYBRID INVERTER / CHARGER

GENERAL INVERTER SPECIFICATIONS	
Number of Stackable Inverters	4
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	8000W
Output Voltage Waveform	Pure Sine Wave (<2% THD)
Output Voltage Regulation	120 / 240VAC +/- 2%
Output Frequency	50Hz or 60Hz (selectable)
Battery to Inverter Efficiency	97% 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	12,000W (3000W per MPPT)
Max PV Array Open Circuit	500VDC
MPP Range	120VDC - 500VDC
Max Input Current Draw/Short Circuit Input Draw	12A/15A (per MPPT)
Number of MPPTs	4
Max Charging Current (PV alone, or combined AC and PV)	190A
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature Range	-25°C to 60°C
Application Type	Indoor only
Humidity	0% to 95% Relative Humidity (non-condensing)
IP Rating	IP65/NEMA 3R
Idle Power Consumption	115W Average
Operating Altitude	0-3000 Meters
PHYSICAL SPECIFICATIONS	
Dimensions (H x W x D) Inches (mm)	28" x 17" x 8 3/5" (710 x 430x 220)
Net Weight Pounds	41 kgs (90.3) lbs
WARRANTY INFORMATION	
Warranty	5 Years with EG4 Batteries in closed loop, 3 years stand-alone use