

## Welcome Guide

### 14.6V 30A LiFePO4 Battery Charger

(For LiFePO4 Batteries Only)

Model: E8-14V30A



#### WARRANTY INFO:

SERIAL NUMBER \_\_\_\_\_

PURCHASE DATE \_\_\_\_\_



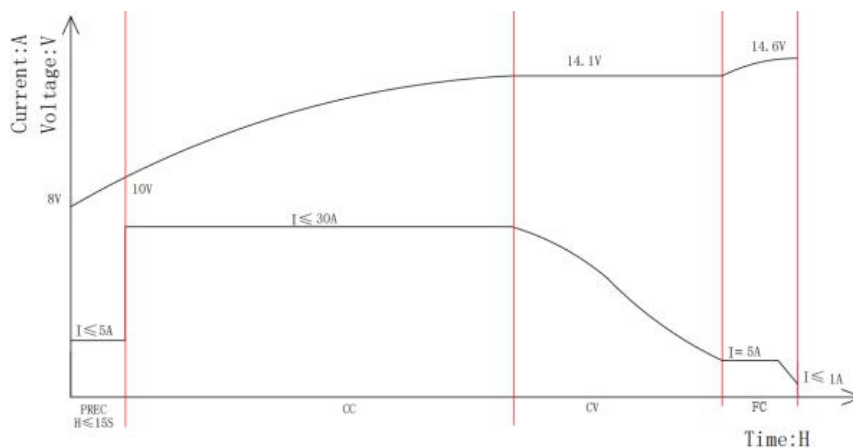
CUSTOMER SERVICE: [SUPPORT@POWERURUS.COM](mailto:SUPPORT@POWERURUS.COM)

#### INSTRUCTION

Thank you for purchasing our product. Please read the entire instruction strictly to use you product. E8-14V30A Charger is an economic, high quality 100-240V AC balance charger, designed for charging our LFP batteries. The charger is built-in protections against overload, over-voltage, over-heating, short circuit and reverse polarity connections.

#### CHARGING CURVE

The charging process consists of 3 steps: constant current (CC), constant voltage (CV), and floating charge (FC).



## SPECIFICATIONS

Input & Output	
AC Input Voltage Range	100-240 VAC, 50 / 60 Hz, 8A
Maximum DC Output Voltage	14.6V
Maximum DC Output Current	30 A
Maximum DC Output Power	420 W
Battery Type	LiFePO4 Battery
Mechanical	
Dimensions	18.6 x 10 x 7 cm (7.3 x 3.9 x 2.8 in)
Cable Length	Input AC Cable: 3m (9ft) / Output DC Cable: 1.5m (4.5ft)
Weight	5 lbs (2.3 kg)
Cooling	Active cooling with fan
Environmental	
Enclosure	IP66
Humidity	5% — 95%
Operating temperature	-20°C to +65°C (-4°F to 149°F), Derated at >40°C (104°F)
Storage temperature	-40°C to +85°C (-40°F to 185°F)

## LED INDICATOR STATUS

LED Indicator	Charger Status
1. LED solid Green.	1. The charger is ready to charge, or charging is complete.
2. LED Green blinking.	2. The charger is charging.
3. Red light blinking quickly.	3. Input voltage is under-voltage or over-voltage.
4. LED Red--Green, or Red--Red--Green blinking alternately.	4. The output is short-circuited, or +/- pole in reversed connections.
5. Red light blinks 2 times, 1 second interval, blinks 2 times again.	5. Charger temperature overheating alarm, recover after cooling.
6. Red light blinks 3 times, 1 second interval, and then blinks 3 times.	6. Output over-current alarm, dis/re-connected to power to recover.
7. Red light blinks 4 times, 1 second interval, then blinks 4 times.	7. Output over-voltage alarm, dis/re-connected to power to recover.

If there is a problem with the charger, the fan will stop rotating and the LED indicator will blink red light to give an error warning. Please disconnect the charger from the wall socket.

## WARNING AND SAFETY NOTES

The charger must be powered on once every three months, and the power-on time should not be less than 0.5 hours.

The E8-14V30A Charger is suitable for charging LiFePO4 batteries, charging other types of batteries may cause fire or explosion.

Never leave the charger unattended when it is connected to its power supply.

Never place the charger and batteries connected to it on any form of flammable surface. Never operate the charger in the vicinity of inflammable material or gas.

Ensure that there is unrestricted airflow to and from the charger's cooling slots. Never place the charger on a carpet or similar surface.

Take great care to maintain correct battery polarity, and avoid short-circuit.