

## Features

- Advanced high frequency switching power supply technology.
- DC output isolated from AC input.
- Single Input 100-120Vac, 50Hz~60Hz.
- Charger compensates for AC input line voltage variations.
- Constant Current (CC), Constant Voltage (CV).
- 2 LEDs: LED1 Red (power on), LED2 Red/Green (charging/full).
- Short circuit, over voltage, over-temperature, reverse polarity protections.
- Forced ventilation with fans.

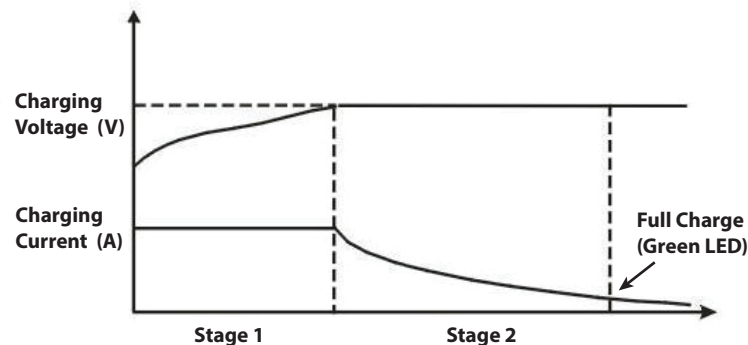
## Operation

1. Check to make sure charger is working properly.
  - a. Check if your local power supply (grid) conforms to the charger's input voltage 100-120V. Then connect the charger to a wall socket and turn on.
  - b. LED1 RED confirms AC power is on, and the LED2 GREEN confirms charger is operating properly.
2. Unplug charger from wall socket prior to connecting DC output.
3. Securely connect the DC Output cord Red (+) positive and then Black (-) negative to the battery terminals.
4. Plug charger into wall socket and turn on.
5. Charging Status: LED2 RED confirms the charger is charging, LED2 GREEN confirms the battery is fully charged. Once charging is complete disconnect the charger from your Enduro Power lithium battery within 24hrs.

**Note: The charger has DC output once AC power is on. For Reverse Polarity Protection the charger has a replaceable Fuse.**

## Charging Mode (2-stage)

Stage 1: CC (Constant Current)    Stage 2: CV (Constant Voltage)

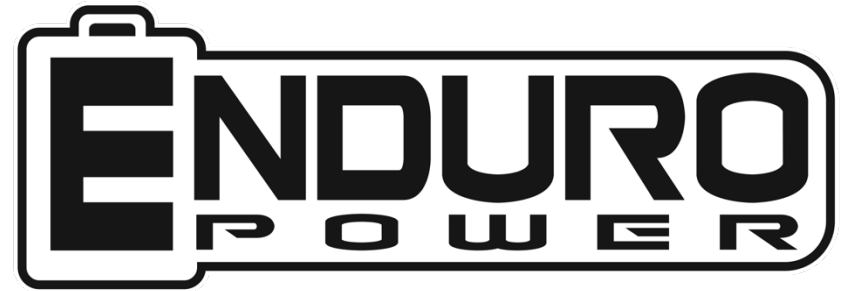


## Precautions

- Sparking is normal when making connection to battery due to high current.
- This charger is designed for charging LITHIUM LiFePO4 type batteries only.
  - Avoid charging incompatible batteries.
- The battery might be damaged if LED2 does not change to green after ample charge time.
- Always place the charger in well-ventilated and dry environments.
- The charger is designed with an aluminum case as its heat sink. Do not cover it to avoid the case/charger from overheating while charging.
- Pay close attention to DC terminal placement:
  - **RED/Brown→(+) Positive Terminal, BLACK/Blue→(-) Negative Terminal**
- DO NOT disassemble charger. Call Enduro Power with technical concerns.

## Packing List

1. Charger
2. DC patch cable w/ M8 Lugs
3. AC Power Cord
4. User Manual



## **LITHIUM LiFePO4 BATTERY CHARGER**

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## **USER MANUAL**

**Please read this manual carefully before use!**