

**User Manual of  
Smart Charger (3.0A) for 51.2V LiFePO4 Battery Pack,  
100-240V**



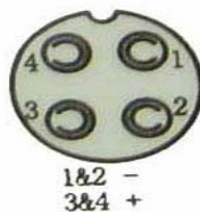
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## Features:

- Intelligent charger designed for any 51.2 V (16 cells) LiFePO4 Battery pack including Polymer LiFePO4 and Cylindrical LiFePO4 **with capacity  $\geq 3000\text{mAh}$**
- Worldwide input AC power from 100-240VAC, 50-60Hz, USA AC plug
  - For international use, [please click here to order AC plug adaptor seperately](#)
- Built in cooling fan to ensure charger long service life
- Safety protection
  - Over Voltage protection
  - Short Circuit protection
  - Output reverse protection
- Charging Current
  - **3.0A Max**
- Output: Output: 57.6VDC
- Max Power output: 180W
- Charging time:
  - Charging time =  $(1.41 \times \text{Ah rate of the pack}) / 6.0\text{A}$  charge current.
- Built in IC to cut off power automatically when battery is fully charge.
- LED indicator:
  - LED1 = Red = Power On, Remain on during the whole operation
  - LED2 = Red = Charging
  - LED2 = Green = Fully Charged
- **Note:** You must connect charger to AC power **before** connect to battery pack. Otherwise, the charger will NOT charge the pack and you will not get a RED LED indicate charging.
- Red LED show Battery charging and Green LED shows full.
- Charging terminal : 4 pin female cannon plug
  - Charging terminal: Pin #1,2 = negative, Pin#3,4 = positive
  - **Excluded 1 pc of 4 Pin male Cannon plug**
  - **Included 1 pc of [Connector/Adaptor: From 4 Pin male Cannon plug to Clips](#)**
  - Need to charge the pack with Standard Male Tamiya charging terminal?[Please click here to order the connector adaptor seperately.](#)
  - **Warning: Wrong polarity will damage the charger. Batteryspace is not responsible for the damage or losses caused by misusing**
- Included 2 pcs 10.0A replacement fuse
- Dimension (LxWxH): 155mm(")x 92mm(3.6")x52mm(2.0")
- Weight: 1.0 lbs 15.6Oz (900g)

## Operation Instruction:

1. Connect the charger to AC outlet ( **LED1 = Red = Power On, Remain on during the whole operation, and LED 2 = Green**)
2. Connect the DC output cord to battery terminals (**LED 2 will turn Red indicate charging, Red = V+, Black = V-**)
3. Charging terminal: Pin 1 & 2 = Negative, Pin 3 & 4 = Positive



Pin Assingment for charge terminal

4. When LED 2 turn green, battery is fully charged

**Warning:**

- Only charge LiFePO4 battery pack with **capacity > 3000 mAh**. Don't use the charger for lower capacity LiFePO4 battery pack.
- Only charge LiFePO4 battery pack with voltage 51.2V (16 cell pack). Don't use the charger for Lower voltage battery pack which may cause battery to explode
- We are not responsible for any damage caused by misuse.
- Indoor use only
- Don't remove the case to prevent from electric shock
- Unplug the charge from AC outlet after use.

**Picture:**



**Excluded** [the connector adaptor](#) for charge the pack with Standard Male Tamiya charging terminal



**Included** the [Connector Adaptor: From 4 Pin male Cannon plug to Clips](#)



How to connect with excluded 4 pin male cannon plug



Built in with Cooling Fan