

# PRODUCT MANUAL

## JL SERIES LiFePO4/Li-Ion (Polymer) BATTERY CHARGER

(For a 8 cells LiFePO4 battery pack or a 6 cells Li-Ion (Polymer) battery pack)

*Please read this before using!*

### A. Features:

1. Auto detect to support 100-240Vac input
2. Short Circuit Protection - Charger output cut-off when short circuit is detected.
3. Overload Protection: Charger output current is limited when overload is detected.
4. Reverse Polarity Protection: Charger output cut-off when battery polarity is reversed.
5. Use CC CV method to charge. Shut-off after fully charge.
6. 2 LED Displays: LED 1 = Red (power ON); LED 2 = Red (charging); Green (fully charged).

### B. Operations:

1. Connect the charger to the AC wall socket.
2. LED 1 = Red (AC power on, remain on during the whole operation) and LED 2 = Green.
3. Connect the DC output cord to battery terminals, LED 2 will turn Red indicating charging (Red = V+, Black = V-).
  - a. Charging terminals: Pin # 1&2 = Negative and Pin # 3&4 = Positive
4. When LED 2 turns GREEN, the battery pack is fully charged.



### C. Notices:

1. JL Series charger is designed to charge a 8 cells LiFePO4 battery pack or a 6 cells Li-Ion pack with capacity >6800mAh.
2. Charger will turn off automatically if it was not connected to battery pack within 3 minutes after power on. To “reset” charger, unplug AC power cord and plug in again.
3. The battery maybe faulty if LED 2 cannot change to Green after a long time.
4. Always place the charger in well-ventilated, dry environment and indoor use only.
5. The charger is designed with aluminum housing as heat sink; do not cover the case to avoid over heating when charging.
6. Subject to change without prior notice, please feel free to contact us for latest information.