

CH-LF5123N User Manual

Warning

1. Please read the following instruction carefully to make sure you understand this charger before use.
2. Improper using of this charger will cause batteries badly damaged and other damage.
3. Subject to change without prior notice, please check our website: BatterySpace.com for the latest information.



AC cable



Connector/Adaptor:
From 4 Pin male
Cannon plug to Clips



4 Pin male
Cannon plug



Accessory

1. Product description:

CH-LF5123N is an intelligent and multifunction charger. It is designed for Li-FePo4 batteries.

2. Features:

- 2.1. Worldwide input AC power from 100-240VAC, 50-60Hz, USA AC plug.
- 2.2. Built in cooling fan to ensure charger long service life.
- 2.3. Built in IC to cut off power automatically when battery is fully charge.
- 2.4. Intelligent charger designed for any 51.2V (16 cells) LiFePO4 Battery pack including Polymer LiFePO4 and Cylindrical LiFePO4 **with capacity >= 3Ah**
- 2.5. Short Circuit Protection – The output cut off when short circuit is detected.
- 2.6. Over Voltage Protection: The output current is limited when overload is detected.
- 2.7. Output Reverse Protection: If the battery polarity is wrong the charger will cut off.
- 2.8. Smart LED Displays: It can tell you if the battery is fully charged.

3. Operations:

- 3.1. Make sure your AC supply source is 100-240V and your battery pack **match with the description 2.4**
- 3.2. Connect the charger to the AC outlet. LED1=Red: it means power on. The LED1 remain on during the whole operation, and LED2 = Green.
- 3.3. Connect DC output to battery pack terminals, LED2 will turn Red it means the charger is in charging.
- 3.4. When LED2 turns Green, the battery pack is fully charged.



4. Technical Specification:

Rating Input power: 90-264 VAC 47-63Hz

Rating frequency: 50/60Hz

Max input power: 180W

Rating output: 57.6V 3A max

Operation Temperature: -10°C-40°C

Efficiency: >90%

Humidity: < 90%

Battery requirement: 51.2V recommend 7.5-30Ah LiFePO4 Battery Please note the charging time.

Safety protection: Over Voltage protection; Short Circuit protection; Output reverse protection

Dimension (LxWxH): 155mm(")x 92mm(3.6")x52mm(2.0")

Weight: 1.0 lbs 15.6Oz (900g)

5. Notice:

- 5.1. Only charge LiFePO4 battery pack with capacity > 3000 mAh. Don't use the charger for lower capacity LiFePO4 battery pack.
- 5.2. 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.
- 5.3. Don't remove the case to prevent from electric shock
- 5.4. Unplug the charge from AC outlet while not use.
- 5.5. Please 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.
- 5.6. The charger maybe faulty if LED2 cannot change to Green after a long time. Please check the battery pack state, if everything is right reset the charger (Unplug AC power and connect again).
- 5.7. AC plug must be reset if disconnect battery > 3min
- 5.8. Always place the charger in well-ventilated , dry environment and indoor use only
- 5.9. The charger is designed with aluminum housing as heat sink; Do not cover the case to avoid over heating when charging.