

CH-L2596N

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.

1. Product description:

Thanks for your purchasing. CH-L2596N is an intelligent and multifunction charger. It can be used for Lead Acid / LiFePO4 / Li-Ion (Polymer) battery. Triple protection guaranteed the safety.

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. Intelligent charger designed for any 25.6V LiFePO4 battery pack (8 cells capacity >6.8Ah), 24V Lead Acid battery pack (20 cells capacity > 7.5Ah) and 25.9V Li-ion battery pack (7 cells capacity >10Ah).
- 2.4. Short Circuit Protection – The output cut off when short circuit is detected.
- 2.5. Over Voltage Protection: The output current is limited when overload is detected.
- 2.6. Output Reverse Protection: If the battery polarity is wrong the charger will cut off.
- 2.7. Support CC CV to charge. When battery is fully charged the charger shut down automatically.
- 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 2.3.**
- 3.2. Connect the charger to the AC outlet. LED1=Red: it means power on 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:

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

Output power: 29.4 VDC 6A Max 240W

Operation Temperature: -10°C-40°C

Humidity: < 90%

Battery requirement:

25.6V LiFePO4 battery pack (8 cells capacity >6.8Ah)

24V Lead Acid battery pack (20 cells capacity > 7.5Ah)

25.9V Li-ion battery pack (7 cells capacity >10Ah)

5. Notice:

- 5.1. Please use it for right battery (Battery requirement, See 2.3)
- 5.2. The charger will turn off automatically if the battery pack was not connected in 3 minutes. Please reconnect the AC power.
- 5.3. 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.
- 5.4. 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).
- 5.5. Always place the charger in well-ventilated , dry environment and indoor use only
- 5.6. The charger is designed with aluminum housing as heat sink; Do not cover the case to avoid over heating when charging.
- 5.7. Subject to change without prior notice, please contact us for the latest information.