

CANBAT



OWNER'S MANUAL







LITHIUM BATTERY CHARGER

Please read this manual carefully before use! Subject to change without prior notice. Contact us if you have any other questions!

Technical Features

- Advanced high frequency switching mode power supply technology.
- DC output is isolated from AC input.
- North American single input 110 Vac, 50Hz~60Hz Frequency.
- Charging parameters are insensitive to the AC input line voltage variations.
- Completely automatic battery charging: CC,CV.
- Shortcircuit, overvoltage, over-temperature, reverse polarity protections.
- High efficiency of over 96%.
- Forced ventilation utilizing fans.
- 100% full load burn-intest.

Charging Instructions

1. Confirm your power outlet is 120V then connect the charger.
2. If the charger has a power switch, it must be set to ON.
3. Verify that AC power is on by ensuring LED 1 is red and LED 2 is green.  
4. Connect the charger leads to the battery terminals. Connect the red wire to the positive terminal first and then the black wire to the negative terminal.
5. 2 red LEDs indicates that the battery is charging.  
6. Once the battery is full charged, LED 2 will turn green again.  

Charging Mode (2-stage)

Step 1: CC (Constant Current)

Step 2: CV (Constant Voltage)

Precautions

- Sparking may occur initially when connecting the charger to the battery due to high current.
- This charger is only designed for charging LiFePO4 type lithium batteries.
- Do not cover the charger; always operate the charger in a ventilated environment.
- Do not disassemble the charger; it's dangerous and will void the warranty.

Storage

Store the charger in its original packaging. Storage temperature should be between -40 to 70°C with a relative humidity of 5 to 95%. Store away from harmful gas, inflammable gas, explosive products, corrosive chemical products, mechanical vibration, shock and strong magnetic fields. Store the package at least 20 cm above the ground and 50 cm away from wall. Store it away thermal sources and vents. Canbat recommends turning on the charger once every 3 month to allow the capacitors to recharge. It is not necessary but it will prolong its lifespan.

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CANADIAN BATTERY MANUFACTURER



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