

14.6V 80A

LiFePO4 Battery Charger

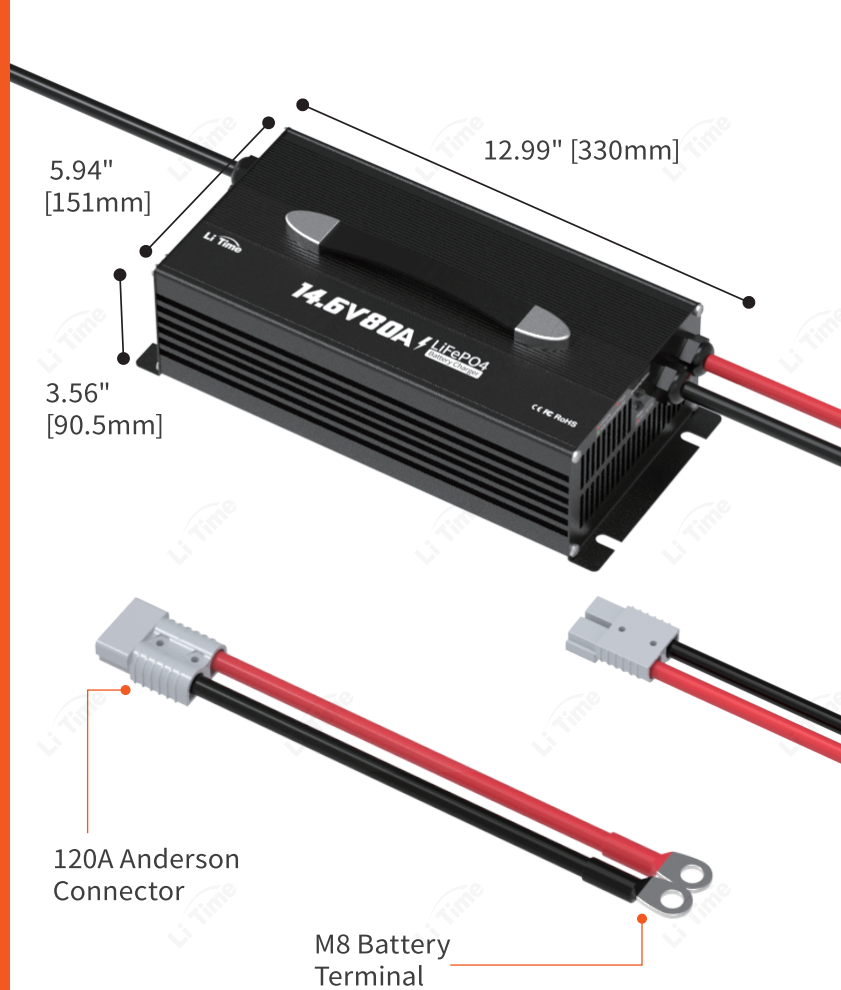
PRODUCT MANUAL



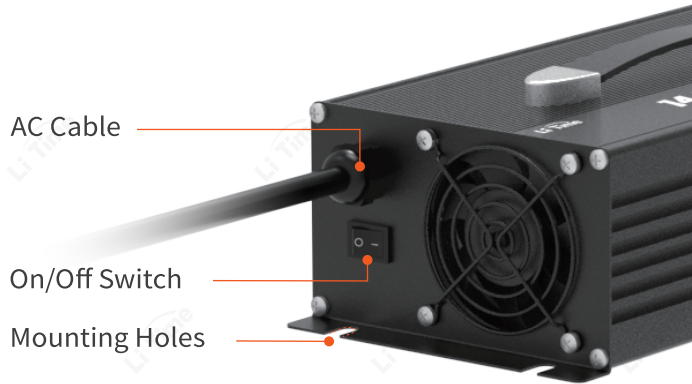
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PRODUCT OVERVIEW

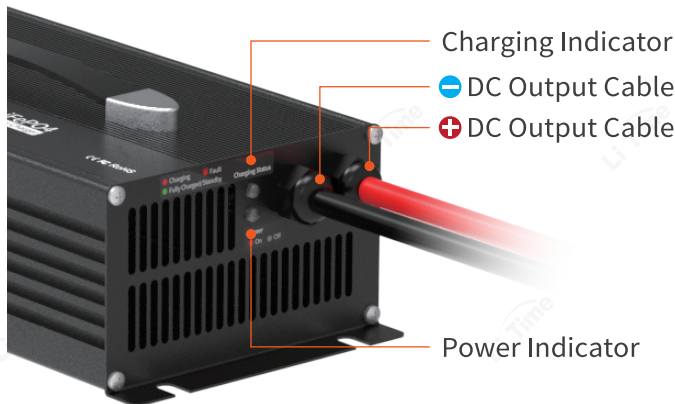
14.6V 80A LIFEPO4 BATTERY CHARGER



AC SIDE



DC SIDE



HOW TO CONNECT

- Step 1 Make sure the switch is in the off position.
- Step 2 Connect the DC output cable to the battery, $\oplus$ to $\oplus$, $\ominus$ to $\ominus$, then connect the Anderson connector. Connect the AC input cable to the grid power.
- Step 3 Turn on the switch. The battery is charging when two indicators are **always in red**.
- Step 4 Turn off the switch after charging is complete.

LED INDICATOR

Indicator	Indicator Status	Charger Status
Power Indicator	● Off	Power off
	● Always on Red	Power on
Charging Indicator	● Always on Red	Battery is charging
	● Always on Green	Battery is fully charged
		Charger is on standby
	● Flashes Red	Charger fault or under protection (over temperature protection, output short-circuit protection, reverse polarity connection protection, output over-voltage protection).

SPECIFICATIONS

Input Voltage	100V to 120V AC; 47Hz to 63Hz
Output Voltage	14.6VDC
Output Current	80A
Temperature Range	Operating: -20°C to 40°C / -4°F to 104°F Storage: -40°C to 70°C / -40°F to 158°F
Dimensions	L12.99×W5.94×H3.56 inch L330×W151×H90.5 mm
Net Weight	3.5kg / 7.72lbs

Li Time

Originate from Ampere Time

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CHARGING MODES

Pre-Charge Stage (T1)

When the battery voltage is lower than its normal standard and cannot withstand high-current charging, the charger will charge it at a limited current.

This charging mode will be able to activate and repair the battery and extend the battery's lifetime. When the output voltage reaches the normal value, the charger will automatically switch to the next stage.

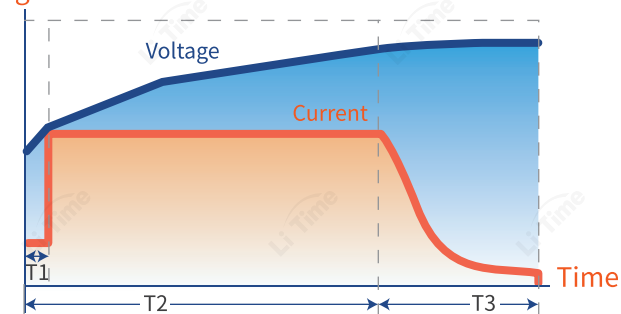
Constant Current Charging Stage (T2)

When the battery is in the main charging time, the charger will charge the battery with a 80A current. When the battery voltage rises above the set value, the charger will automatically switch to the next stage.

Constant Voltage Charging Stage (T3)

The charger switches to the Constant Voltage Charging Stage and the charging current gradually decreases. When the charging voltage or current reaches the set value, the charger automatically turns off the output voltage and the battery charging is completed.

Voltage & Current



* The charging curves are as above

MAINTENANCE & USE PRECAUTIONS

1. Check the battery specifications carefully before charging to ensure that the LiFePO4 battery matches the charger technical data.
2. Make sure the charger is properly connected to the battery (⊕ to ⊕, ⊖ to ⊖) to avoid a short circuit.
3. The input/output connectors must be firmly connected during charging.
4. Unplug the input/output cable of the charger immediately once the charger or battery is found to be abnormal or damaged during charging.
5. **Do not** use other input cables or extend the output connection cable personally, or please contact LiTime at service@litime.com to get some advice if you need it.
6. **Do not** open, dismantle, or modify the charger.
7. Never use it in a thunderstorm.
8. Please keep the charger and battery away from water, heat sources, sparks, flames, flammable gas, and hazardous chemicals.
9. **Do not** place rods or other metal objects in vents or other openings.
10. Place the charge in a well-ventilated area with sufficient heat dissipation to prevent overheating and damage.
11. **Do not** puncture, drop, crush, burn, penetrate, shake, strike, or throw it with force.

TROUBLESHOOTING

If the charger does not work properly, the following methods can help you solve the general problem quickly. If you still cannot rule out the possibility of failure, please contact service@litime.com.

Problem	Possible Cause	Solution
Charging indicator flashes red when charging.	Under Over Temperature Protection	Cool down the charger to normal temperature.
Charging indicator flashes red after connected.	Under Reverse Polarity Connection Protection / Output Short-Circuit Protection	Connect the charger to the battery correctly, ⊕ to ⊕, ⊖ to ⊖.
	Under Output Over-Voltage Protection	Make sure the connected battery is a 12.8V LiFePO4 battery.
The charger does not charge and the LED is off after being connected to grid power.	Poor connection	Make sure all connections are correct and tight.
	Charger Internal Damage	Contact us at service@litime.com for further solutions.

REGISTER WARRANTY



Register Warranty

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If you have any questions or need any help, please contact us at service@litime.com.