



Professional-grade
multiple security protection

CH12V20

**Lithium Battery Pack Intelligent
Control Capacity Measurement Charger**

Applicable to lithium battery dealers, battery pack manufacturers and battery protection system manufacturers for battery charging, recharging and activation, and maintenance of power battery packs such as new energy vehicles and energy storage systems.



Intelligent CNC platform

- Automatic voltage matching
- Detect battery capacity
- Display charging time

0 voltage drop precharge

- AI algorithm dynamic adjustment
- The entire charging process is within the safety threshold.

Safety protection system

- Prevent reverse connection
- Prevent wrong connection
- Prevent short circuits
- Prevent overvoltage
- Prevent overcurrent

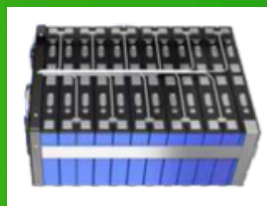
Real-time monitoring of battery temperature

- Real-time monitoring of battery temperature
- Can respond to abnormal battery temperature in time

Application



Li-ion battery pack



Lifepo4 battery pack



Equalizer repair
Lithium battery pack

Product Overview

CH12V20 lithium battery pack intelligent CNC charger is a safe charging solution designed for Li-ion/LiFePO4 battery modules. A professional lithium battery charging device that integrates intelligent matching, safety protection, and efficient charging. Through intelligent voltage digital control adjustment technology and multiple safety protection systems, it completely solves the safety hazards of overcharging, short circuit, etc. caused by incorrect parameter settings of traditional chargers. Provides dual protection for battery life and user safety. Protects safety with technological innovation, allowing every battery to be charged and used with confidence.

Features

- Intelligent voltage matching system, the first "one-key adaptation" mode: automatically identify and accurately set the charging voltage according to the battery type and number of battery strings.
- Support custom mode: professional users can manually adjust parameters to meet the needs of special scenarios.
- Triple temperature control protection, real-time monitoring of battery and device temperature, automatic current reduction or power off when abnormal temperature rises.
- Reasonable layout of internal components, combined with the heat dissipation and cooling system, can effectively avoid the impact of high temperature environment on electronic components.
- Anti-reverse connection/anti-wrong connection protection to avoid short circuit risk.
- Overcharge/overcurrent/overvoltage protection triple current protection, AI algorithm dynamically adjusts the charging curve to ensure that the entire charging process is within the safety threshold.
- The max. output current is 20A, which is suitable for various scenarios such as medium and large energy storage systems, power tools, and new energy vehicle battery modules.
- Intelligent charging strategy reduces battery loss and increases cycle life by more than 20%.

Product parameters

Product model	CH12V20
Supply voltage	AC 110V/220V
Rated power	2.5KW
Applicable battery type	Li-ion/LiFePO4
Charge method	Constant current + constant voltage
Charge voltage	3.6~125V(Intelligent adjustment)
Charge current	1~20A(Adjustable)
Product weight	≈4.6kg