



CDC

Smart Power Solution Provider

Website: www.cdcpower.com

P O W E R A S M A R T E R W O R L D

A photograph of a modern glass-fronted building under a clear blue sky. The building's facade is composed of a grid of blue-tinted glass panels. At the top center of the building, the company name 'CHANGHONG' is written in large, bold, red capital letters, followed by the Chinese characters '长虹' in a similar red font. The sky is a uniform, bright blue.

CHANGHONG 长虹

■ Company Profile

Established in 2023, CDC Energy, a subsidiary of Changhong Group in the Energy Business Group, is a national high-tech enterprise specializing in research and development, manufacturing, and sales of polymer lithium-ion batteries. It has been awarded the titles of "Specialized, sophisticated, distinctive, and innovative Enterprise" and "AAA Credit Enterprise" in Shenzhen.

Our company complies with ISO 9001:2015 Quality Management System, ISO 14001:2015 Environmental Management System and Occupational Health and Safety Management System. All of our lithium batteries can meet requirement of Rohs and Reach; Our lithium batteries have got the 3C, UL, CB, CE, GB31241, PSE, KC and other certifications.

Adhering to the market-oriented and customer-centered, products sell well in more than 60 countries and regions in Asia, Europe, the United States and Africa, and have established long-term good cooperative relations with many leading enterprises in consumer electronics, networking, smart medical care, smart wearable, e-cigarette, electric vehicles and other terminal products. With the mission of "precise and intelligent manufacturing, scientific and technological innovation, and benefiting mankind", we CDC adheres to the enterprise spirit of "responsibility, innovation, and dedication", and strives to become a first-class provider of energy solutions in the intelligent era.

Company certifhcation



ISO9001 Quality Management System Certification



ISO14001 Environmental Management System Certification



ISO 45001:2018 Occupational Health and Safety Management System Standards



UL Certification



RoHS Certification



REACH Certification



CE Certification



PSE Certification



CB Certification



WERCS Certification

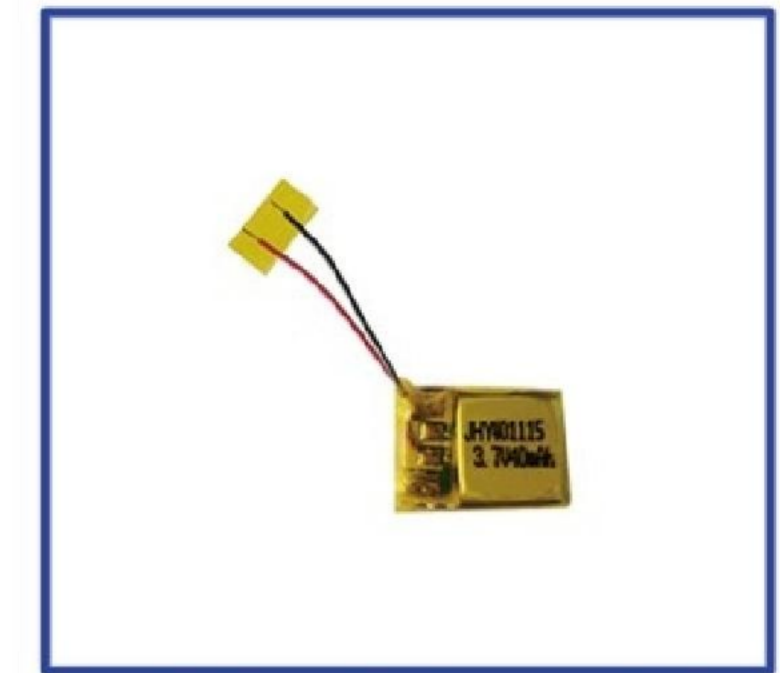
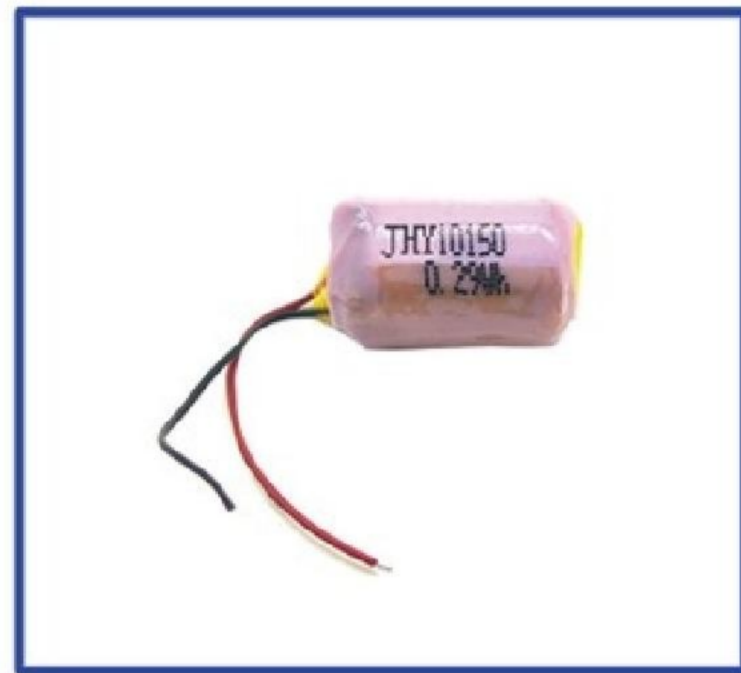


CQC Certification



KC Certification

I Product display



I Application area



Bluetooth earphones, intelligent wearable lithium batteries

1. Applied in fields such as Bluetooth earphones, smart bracelets, smart watches, and smart jewelry.
2. Flexible size, with a minimum width of $\leq 6\text{mm}$ and a minimum length of $\leq 10\text{mm}$ for square batteries; The minimum diameter of cylindrical batteries is $\leq 5\text{mm}$.
3. 4.35V-4.45V high voltage system with higher energy density.
4. Supports 2C-5C fast charging.

I Product display



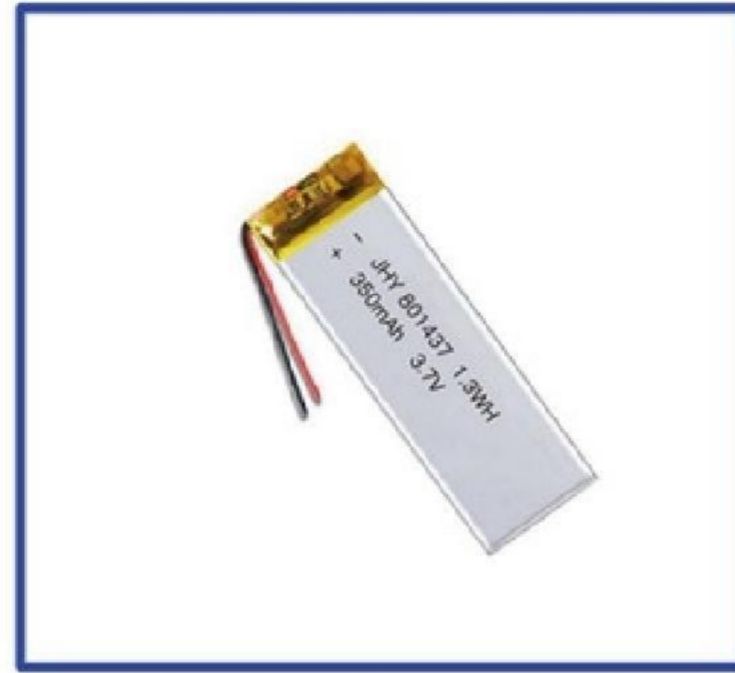
I Application area



Car and digital lithium batteries

1. It is used in the field of digital consumer goods such as driving recorder, car navigation, smart speaker, sports D, educational electronics etc
2. Conventional batteries take into account both high and low temperatures and support a wide temperature range of -20°C - 85°C
3. According to the characteristics of on-board high temperature, the development can support the use of batteries in a high temperature environment of up to 95°C .
4. The conventional battery cycle performance is more than 500 times, and the long cycle battery can be customized for more than 1000 times according to customer needs.
5. More than 1000 mature models can be selected, supporting mold opening customization.

I Product display



I Application area



E-cigarette and aircraft model high-rate lithium batteries

- 1.It is used in e-cigarettes,model toys,drones and other fields.
- 2.Up to 50C high magnihcation discharge can be supported.
- 3.4.35V high voltage and high magnification system,nearly 8%higher energy density than the conventional 4.2V voltage system.
- 4.E-cigarette battery 2C charging,10-20C discharge,500 cycles residual capacity can reach more than 90%.

I Product display



I Application area



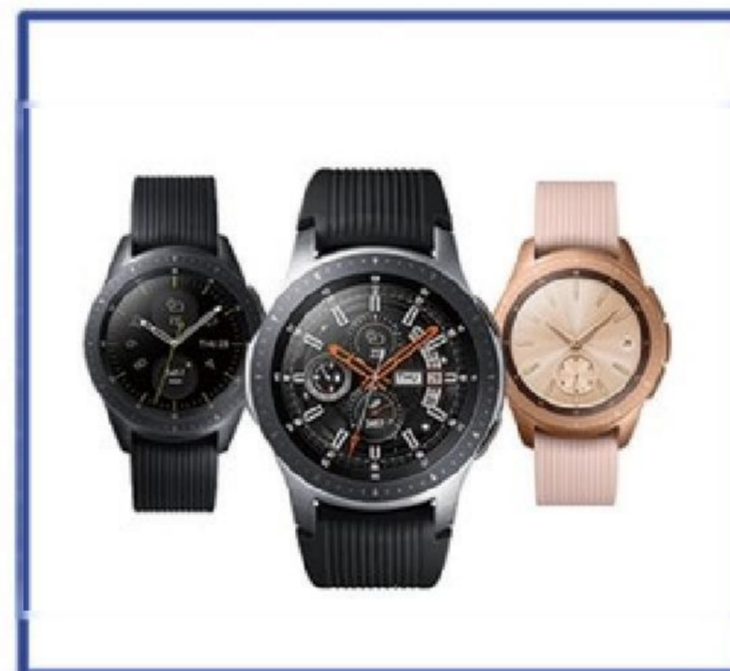
Ultra-low temperature lithium batteries

- 1.It is used in intelligent heating shoes,intelligent heating clothes,extremely cold areas, military industry and other special fields.
- 2.The low-temperature discharge capacity retention rate of -30°C is more than 80%,and the minimum low-temperature discharge at -40°C can be supported.
- 3.The discharge platform is more than 3.0V under low temperature conditions,which is better than that of peers.
- 4.Low-temperature and high-power batteries can be customized to achieve high-current discharge under low-temperature conditions.

I Product display



I Application area



Ultra-thin, special-shaped lithium batteries

1. It is used in smart cards, smart rings, smart watches and other fields.
2. Shapes can be customized into curved, half-moon, round and other shapes according to customer needs.
3. The battery has a small self-discharge, a voltage drop of $<2\text{mV/day}$, and a circulation life of more than 500 times.
4. The thickness of ultra-thin battery is $\leq 0.4\text{mm}$, leading in the industry.
5. Mature process, stable performance and good battery consistency.

I Product display



I Application area



Industry application lithium batteries

1. It is used in walkie-talkies, financial industry and pharmaceutical industry terminals in the logistics industry, POS machines in the medical industry.
2. High safety, zero safety accident record for many years.
3. Unique process of ensuring the stability of the battery, improve the energy density of the battery; the energy density can reach more than 700WH/L, and the number of cycles is more than 500.
4. The battery size and shell can be customized, and the assembly process adopts ultrasonic or **low-temperature injection molding**.

I Product display



I Application area



Power lithium battery pack

- 1.It is used in electric tools,balance vehicles,electric two-wheelers,AGV logistics vehicles, sweeping robots and other fields.
- 2.Adopt imported 18650 cells or automotive-grade power cells from domestic front-line manufacturers to ensure cell consistency and safety.
- 3Automatic selection of groups,automatic spot welding, assembly,automatic testing and other processes to ensure the quality and reliability of the battery
- 4.Higher system energy density to achieve longer battery life.The battery pack can be customized for more than 1,000 cycles,and a longer service life.

I Product display



I Application area



Energy storage lithium battery system

1. Applied to outdoor portable energy storage, home energy storage, mobile base stations, photovoltaic and wind e-commerce energy storage.
2. Strong R&D strength. The developed products include 0.2KWH-2KWH portable energy storage, 2KWH-20KWH home energy storage and mobile base station energy storage, 50KWH-500KWH industrial and commercial energy storage system, and has the ability to develop MW-GRADE OFF-CLASS energy storage systems.
3. Long service life, design use times can reach more than 6,000 times, and service life of more than 10 years
4. Perfect BMS protection system, with low voltage, high voltage, overload, short circuit, high temperature protection and other functions, and monitors the status of each cell in real time.



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