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Customized processing of cylindrical secondary lithium batteries





Overview

What types of lithium-ion secondary batteries are available?

Lithium-ion secondary batteries are available in cylindrical, square, and pouch (lamine) types depending on the end use. The electrode manufacturing method and equipment used for the battery type vary. We are compatible with all battery types and provide comprehensive solutions through manufacturing line design to meet diverse customer needs.

What is a cylindrical lithium ion battery?

Cylindrical lithium-ion battery cells are a type of rechargeable battery commonly used in a wide range of electronic devices, electric vehicles, and energy storage systems. They are characterized by their cylindrical shape, standardized sizes, and high energy density, making them versatile and suitable for various applications.

What are the production steps in lithium-ion battery cell manufacturing?

Production steps in lithium-ion battery cell manufacturing summarizing electrode manufacturing, cell assembly and cell finishing (formation) based on prismatic cell format. Electrode manufacturing starts with the reception of the materials in a dry room (environment with controlled humidity, temperature, and pressure).

How is the quality of the production of a lithium-ion battery cell ensured?

The products produced during this time are sorted according to the severity of the error. In summary, the quality of the production of a lithium-ion battery cell is ensured by monitoring numerous parameters along the process chain.



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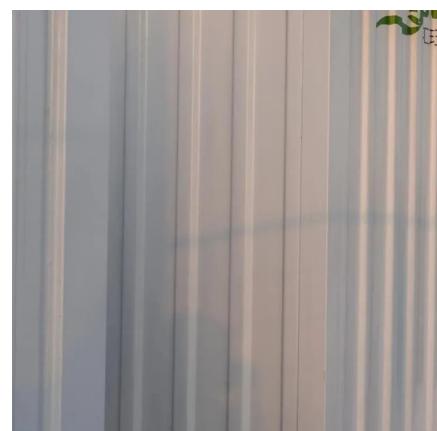


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