

Cylindrical solar container lithium battery shape code





Overview

In “18650”: 18 = Diameter of the battery in millimeters (18mm). 65 = Length of the battery in millimeters (65mm). 0 = Cylindrical shape. 52 = Width in millimeters (5.2mm). 15 = Height in millimeters (1.5mm). 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 naming rules for lithium ion batteries?

The naming rules for cylindrical lithium-ion battery cells follows a standardized format based on the cell’s dimensions, and usually represented by a five-digit code, where each digit provides specific information about the cell’s dimensions. Here’s a breakdown of the representation: What does 18650 means?

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What are battery cell formats?

Battery cells represent the core component of EVBs. Three cell formats are commonly used in the automotive industry: Cylindrical, pouch, and prismatic (see Figure 1). The main difference between the cell formats lies in the design of the cell casing and the arrangement of the cathode, anode, and separators.

What does the 5th digit mean in a lithium ion battery?

Fifth Digit: The fifth digit indicates the cylindrical shape of the cell. Typically, it’s “0” for cylindrical cells. By following this naming convention, we can easily identify the size and shape of cylindrical lithium-ion battery cells. Putting it all together, let’s take an example: What does 21700 means?



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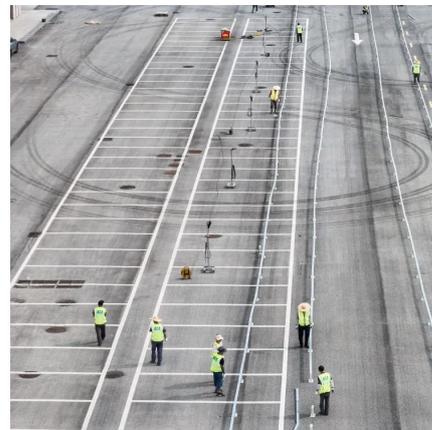
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