

# Common models of cylindrical lithium batteries





## Overview

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What is a cylindrical lithium-ion battery?

For individual customer inquiries, please contact the support services for the equipment in use. A cylindrical lithium-ion battery is a type of lithium-ion battery with a cylindrical shape using a metal can as its packaging material.

What is a cylinder type lithium ion secondary battery?

Cylindrical Type Lithium Ion Secondary Batteries are packaged in metal cans. These batteries can be used at high rate and maintain high capacity. If you cannot find the model number, post to the Contact Form.

Which electric vehicles use cylindrical cells?

Tesla particularly uses Cylindrical cells in their Electric Vehicles. As per recent announcement Tesla is moving to 4680 from 21700 and the older 18650. Rivian and Lucid Motors are also using cylindrical cells 21700 in their vehicle models (R1T, R1S and AIR Dream, Air GT respectively).

Does a Lucid Motors battery have a base cooled or side cooled design?

If we listen to Peter Rawlinson's description of the Lucid Motors battery design he points out that the base cooling design gives a more consistent thermal connection to the cell. In the end though this probably comes down to the package dimensions and whether you can fit a slightly taller base cooled design or a wider/longer side cooled design.



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### Cylindrical Cells

The battery pack in the Lucid Air Dream is 188kWh and uses 6600 cylindrical cells in the 21700 format. Using a very similar design approach to the Tesla Model 3.

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### Analysis of cylindrical lithium battery advantages and common models

Aug 4, 2025 · Cylindrical cells are a type of lithium-ion battery characterized by their cylindrical shape and robust metal casing. These cells play a key role in energy storage systems, offering ...

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### Cylindrical Cells

Nov 8, 2025 · Cylindrical lithium batteries power everything from gadgets to EVs. Learn their types, features, pros, and best uses to choose the right battery confidently.

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### Everything You Need to Know About Cylindrical Lithium Batteries

Nov 8, 2025 · Cylindrical lithium batteries power everything from gadgets to EVs. Learn their types, features, pros, and best uses to choose the right battery confidently.

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### Comparison Table of Commonly Used ...

The above are common lithium battery models and their sizes, including the widely used models in the main market, which also have slightly different ...

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### The Ultimate Guide to Cylindrical Lithium-Ion Batteries: ...

Feb 5, 2025 · This in-depth guide will explore the intricacies of cylindrical lithium-ion batteries, including their design, manufacturing processes, and applications. Readers will gain insights ...

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### Types of Cylindrical Lithium-ion Cell

Mar 18, 2025 · Cylindrical lithium-ion batteries are classified into lithium cobalt oxide, lithium manganese oxide, and ternary material types, each with distinct advantages.

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### Comparison Table of Commonly Used Cylindrical Lithium Battery Models

The above are common lithium battery models and their sizes, including the widely used models in the main market, which also have slightly different sizes. Is there a standardized size for ...

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### The Essential Guide to Common Cylindrical Lithium Battery

From 18650, 21700 to 4680 battery, get a comprehensive guide to common cylindrical lithium



battery models, sizes & applications. Follow us on social media !

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#### Top 5 Cylindrical Lithium Battery Models and Specifications ...

Oct 9, 2025 · Learn about the most common cylindrical lithium battery models, including 18650, 21700, and 26650, their specifications, and applications in medical, industrial, and consumer ...

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#### Complete collection of cylindrical models of lithium batteries

Cylindrical lithium-ion cells are usually represented by five digits. Starting from the left, the first and second digits refer to the diameter of the battery, the third and fourth digits refer to the ...

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#### Cylindrical Lithium Batteries Explained: Models, Materials, ...

Nov 24, 2025 · Cylindrical lithium batteries are divided into different systems such as lithium iron phosphate, lithium cobalt oxide, lithium manganese oxide, cobalt-manganese hybrid, and ...

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