

## SolarTech Power Solutions

# 17300 cylindrical lithium battery



## Overview

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What is a cylindrical lithium battery?

Safely harness pure lithium energy with Panasonic Cylindrical Lithium. A lightweight, high-energy-density battery optimized for stable discharge in high-drain applications such as flash-enabled cameras, Cylindrical Lithium is perfect for continuous or intermittent use over long periods in various devices exposed to wide range of temperatures.

What is a Panasonic cylinder lithium battery?

The system includes a thermosensitive PTC that detects temperature rises and increases resistance to prevent short-circuit; a built-in safety valve to relieve internal pressure; and durable gasket material that's effective at preventing leaks. Panasonic Cylindrical Lithium is UL recognized battery. Reliable in a Wide Range of Temperatures.

How long can a cylindrical lithium battery last?

Panasonic Cylindrical Lithium can be safely stored without significant loss of capacity for periods up to 10 years\* with improved resistance to heat and cold compared to other battery types. Cylindrical Lithium battery technology by Panasonic Energy Co., Ltd. High Energy Formula and PTC Safety System.

How long can a Panasonic cylinder lithium battery last?

Proven battery design, refined materials, special electrolyte solvent, and precise calcination treatment result in a low self-discharge rate during storage. Panasonic Cylindrical Lithium can be safely stored without significant loss of capacity for periods up to 10 years\* with improved resistance to heat and cold compared to other battery types.

Is Panasonic cylinder lithium UL certified?

Panasonic Cylindrical Lithium is UL recognized battery. Reliable in a Wide Range of Temperatures Various design aspects combine to preserve high

capacity after long-term storage while enabling safe use in a wide -40 °C to +70 °C temperature range.

Why should you choose Panasonic cylinder lithium battery?

Panasonic Cylindrical Lithium improved resistance to heat and cold compared to other battery types. \* When in an unused condition and stored at room temperature. Proven battery design, refined materials, special electrolyte solvent, and precise calcination treatment result in a low self-discharge rate during storage.

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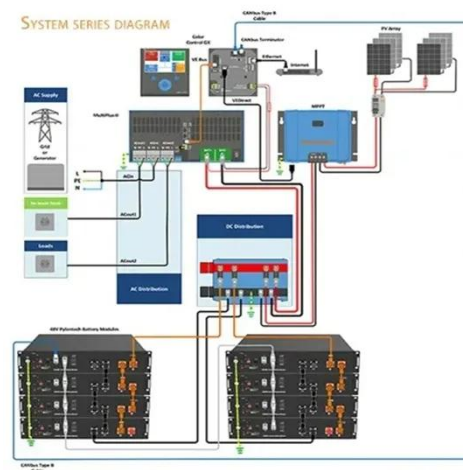


### A Quick Guide to Lithium-Ion Battery Sizes and ...

Apr 27, 2025 · Understand lithium-ion battery sizes like 18650, 14500, and pouch cells, and their applications in gadgets, EVs, and energy storage systems in ...

### Understanding Cylindrical Lithium-Ion Battery ...

Feb 19, 2025 · In today's technology-driven world, cylindrical lithium-ion batteries are more than just a power source--they are a fundamental component in ...

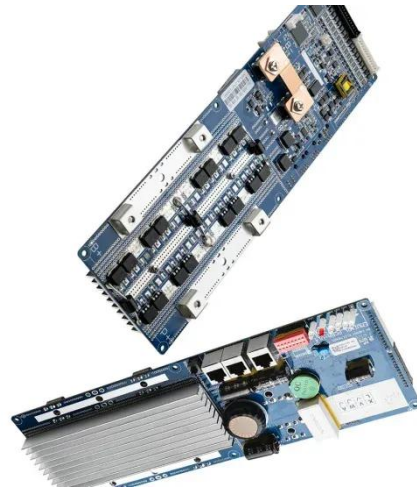


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Apr 27, 2025 · Understand lithium-ion battery sizes like 18650, 14500, and pouch cells, and their applications in gadgets, EVs, and energy storage systems in 2025.

## Everything about Cylindrical Batteries, the Power ...

May 29, 2024 · The importance of cylindrical batteries is only growing because they are used widely from small electronic devices to EVs. In line with the ...



## Room-temperature cylindrical lithium battery enabled by ...

Jun 1, 2025 · Cylindrical batteries have been explored as promising grid energy storage device, due to their high safety margin and low capital/maintenance costs. However, the practical ...

## Primary lithium battery LS 17500

Mar 16, 2024 · Primary lithium battery LS 17500 3.6 V Primary lithium-thionyl chloride (Li-SOCl<sub>2</sub>) High energy density A-size bobbin cell Benefits Cell size reference A High voltage response, ...



## Could Cylindrical Batteries



## Become Standard for ...

Mar 25, 2024 · Cylindrical batteries power the Tesla electric vehicle. Image used courtesy of Pexels 18650  
Cylindrical Batteries Among the types of lithium-ion ...

## Cylindrical Lithium Technologies

5 days ago · Safely harness pure lithium energy with Panasonic Cylindrical Lithium. A lightweight, high-energy-density battery optimized for stable discharge in high-drain applications such as ...



## Understanding Cylindrical Lithium-Ion Battery Sizes and ...

Feb 19, 2025 · Cylindrical lithium-ion batteries play a crucial role in the energy storage solutions of modern devices. From powering smartphones to electric vehicles, these batteries are ...

## Cylindrical-type Primary Lithium Batteries

Cylindrical-type Primary Lithium Batteries - High Power Features Spiral electrode structure ensures high-rate current discharge. Low self-discharge rate and long life. Self-discharge rate: ...



## Cylindrical Battery Types: What You Need to Know

Jan 30, 2024 · Cylindrical batteries power devices, with types like 21700, 26650, 14500, and 16650, offering reliable energy storage and variations in structure.

## Cylindrical lithium battery classification and ...

May 17, 2023 · Cylindrical lithium-ion cells are usually represented by five digits unting from the left,the first and second digits refer to the diameter of ...



## Cylindrical vs. Prismatic vs. Li-Po Battery: Key ...

Feb 29, 2024 · Curious about battery types? Learn how cylindrical, prismatic,

and lithium polymer batteries stack up against each other. Make the best choice!



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## Irreversible failure characteristics and microscopic ...

Nov 15, 2024 · Xu et al. [19] discussed the failure phenomenon of cylindrical lithium-ion batteries under bending loads, which was based on ISC, revealing that the mechanical failure behavior ...



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## Types of Cylindrical Lithium-ion Cell

Apr 13, 2023 · I. Introduction of cylindrical lithium-ion cell Cylindrical lithium batteries are divided into lithium cobalt oxide, lithium manganate, and ternary materials. The three data system ...

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## Global 17500 Cylindrical Lithium Ion Battery Market

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17500 Cylindrical Lithium Battery is one kind of cylindrical lithium-ion battery, which size is 17500. The global 17500 Cylindrical Lithium Ion Battery market was valued at US\$ 507 million in 2023 ...



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