

SolarInnovate Energy Solutions

Port Moresby 12v lithium battery cylindrical cell

PUSUNG-R (Fit for 19 inch cabinet)



Overview

What is a cylindrical battery?

This durability is why many industries use cylindrical cells in power tools, electric vehicles, and battery banks that experience rough handling or frequent travel. Prismatic cells (rectangular lithium batteries) are encased in a rigid aluminum or steel shell. The shell provides solid protection for stationary or gently handled applications.

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 is a lithium battery cycle life?

Cycle life, the number of full charge/discharge cycles a battery can deliver before its capacity drops significantly, is a major factor in the total value and reliability of any lithium battery system. The internal cell type play a direct role in real-world longevity. Cylindrical cell cycle life is widely known for being exceptional and reliable.

How do you identify a cylindrical lithium-ion battery?

For instance, “65” represents a height of 65mm. 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.

How long does a LiFePO₄ battery last?

In well-managed systems, quality cylindrical LiFePO₄ cells can deliver well over 10,000 cycles at 80% depth of discharge, and even higher at lower

discharges. Prismatic cells (rectangle batteries) also offer excellent cycle life, especially when manufactured to high standards and paired with an advanced Battery Management System (BMS).

Why should you choose a cylindrical battery?

The small, uniform design of cylindrical cells naturally limits the amount of energy in each cell. In the unlikely event of a failure, risk is contained and does not cascade through the entire pack. Therefore, combined with our advanced Battery Management System (BMS), our batteries are among the safest choices available for any installation. 3.

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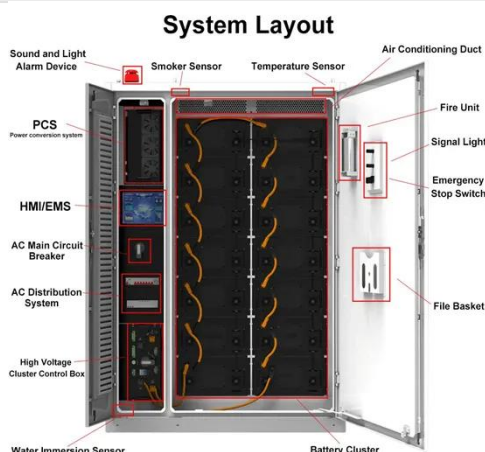


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Cylindrical Lithium Cells: Best choice for 12v and 24v batteries?

In this blog, we expand on why we feel cylindrical cells are the superior option for our 12v and 24v lithium iron phosphate batteries. Cylindrical cells, resembling traditional AA batteries, possess ...



Best Cylindrical Lithium Ion 12V Power Cell , High-Efficiency Battery

Mar 19, 2025 · Explore cylindrical lithium-ion 12V power cells for EVs, solar, medical, and industrial applications. Learn about their high efficiency, long lifespan, and safety features.

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