

SolarTech Power Solutions

14500-300 battery cells



✓ LIQUID/AIR COOLING

✓ ON GRID/HYBRID

✓ PROTECTION IP54/IP55

✓ BATTERY /6000 CYCLES



Overview

This 14500 cell is a cylindrical lithium ion cell. Unlike 18650 cell, it is smaller and lighter. Besides, this kind 14500 cell has high energy density with low self-discharge and low impedance rate. What is a 14500 battery?

Its name reflects its dimensions: This standardized size makes it comparable to AA batteries, but the 14500 stands out with a nominal voltage of 3.7V, significantly higher than the 1.5V of alkaline AA batteries. 14500 batteries operate on the principles of lithium-ion technology:.

What are the dimensions of a 14500 Lithium battery?

The dimensions for the 14500 lithium battery are like those of an AA alkaline battery. The AA battery dimensions are 14mm x 50mm, like the 14500 battery. The 14500 battery is a rechargeable lithium-ion battery. AA batteries have alkaline chemistry, nickel-cadmium batteries, and lithium-ion batteries.

What is the difference between 14500 and 18650 batteries?

Both 14500 and 18650 batteries are types of lithium-ion batteries. They differ in size and capacity. The 18650 battery is larger and heavier than the 14500 battery. Because of this size difference, it cannot be used in devices that need AA-sized batteries. Here's a quick comparison table: The 18650 battery is larger and can hold more energy.

Are 14500 batteries the same as AA batteries?

14500 batteries are a type of Li-ion battery. They are the same size as AA batteries. However, it is important to distinguish them from AA batteries that use different chemicals, like NiMH (Nickel-Metal Hydride). The main difference between these batteries is their voltage.

How do you store a 14500 battery?

Store your 14500 cells in their original packages. You can also use special battery storage cases that keep each cell apart. Ensure the positive and

negative ends do not touch materials that can conduct electricity. Good storage is important for keeping your batteries in good shape.

How to charge a 14500 Li-ion battery?

Charging your 14500 Li-ion batteries correctly keeps them charged longer and working well. It is best to use a charger designed just for 14500 Li-ion batteries. These chargers can handle the charging voltage and current properly, which helps prevent overcharging and protects against damage from the higher voltage of these batteries.

14500-300 battery cells

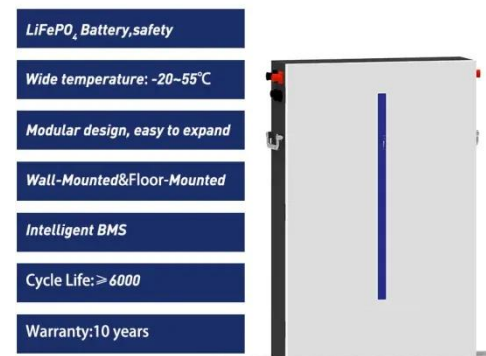


In-depth review! 14500 battery cell performance ladder ...

Aug 13, 2025 · In terms of quantity, there are 18 rate-type battery cells and 5 capacity-type battery cells. Battery Cell Materials The material system of 14500 battery cells generally depends on ...

Understanding the 14500 Lithium Battery: Features and ...

Jul 9, 2025 · The 14500 lithium battery offers high energy density, 3.7V voltage, rechargeability, and compact design, making it ideal for portable high-drain devices.



Your Ultimate Resource for Understanding 14500 Lithium Batteries

Mar 12, 2025 · Known for its stability and safety, the 14500 LiFePO4 battery is a reliable choice for applications where long-term performance and safety are



priorities. 14500 3.2V 800mAh ...

14500 vs AA Batteries: What's the Difference and ...

6 days ago · The 14500 and AA batteries look similar in size but differ significantly in voltage, chemistry, and usage. The 14500 is a rechargeable lithium-ion ...



What Size Is 14500 Battery?

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14500 VS 18650 Battery: A Complete Comparison Guide

Jun 13, 2025 · 14500 batteries are rechargeable lithium-ion cells that closely resemble the size of standard AA batteries. The name "14500" comes from their dimensions: approximately 14mm ...



14500 Batteries [AA Lithium-Ion] , Battery Junction

What are 14500 Batteries? The 14500 battery is a cylindrical li-ion cell classified by its roughly 49.2mm length and 13.5mm diameter, and is the rechargeable version of an AA battery. They ...

18650 vs 14500 Batteries, Comprehensive Guide

Jan 18, 2024 · 18650 batteries generally offer 300-500 cycles, sometimes more with high-quality cells. 14500 batteries provide fewer cycles, typically 200-300.

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What Are 14500 Lithium Cells and How Do They

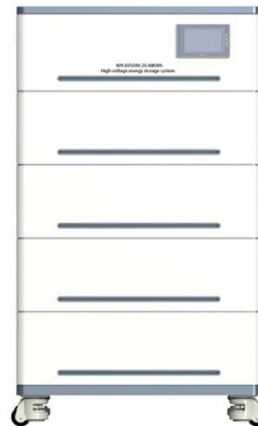
Work?

Apr 11, 2025 · 14500 lithium cells provide 3.7V output versus 1.5V in alkaline AA batteries, enabling higher-powered devices. Their lithium-ion chemistry supports 500+ charge cycles, ...



14500 Battery Equivalents: Understanding 14500 Cells

Dec 17, 2024 · The 14500 battery is a cylindrical lithium-ion rechargeable battery commonly used in various electronic devices, including flashlights, toys, and power tools. Understanding its ...



1500 1500 1500 CE UN38.3 MSDS



Voltage range: 691.2-947.2V
>6000 cycles (100% DOD)
Rated battery capacity: 216KWH (customizable)
EMS communication: 4G/CAN/RS485

Wholesale 14500-4S 14.8V 1000mah Rechargeable Li-Ion Batteries

Wholesale 14500-4S 14.8V 1000mAh 14.8Wh Lithium Battery Cells from Future Era. Ideal for toys, solar energy, electric vehicles, and more. Reliable and efficient., Alibaba

14500 Rechargeable Li-ion AA Battery 3.7V 300mAh

Jun 23, 2025 · With a production base covering an area of 15550 square meters and a total investment of USD 30 million, the company integrates product research and development, ...



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