
Battery cell 21700 solar container lithium battery

What is a 21700 battery?

The 21700 battery is a cylindrical lithium-ion battery with a diameter of 21mm and a length of 70mm. It offers a nominal voltage of 3.7V and a capacity of up to 5,000mAh, making it a powerful and efficient energy source. Its energy density ranges between 250 Wh/kg and 300 Wh/kg, depending on the chemistry.

What is the difference between protected and unprotected 21700 batteries?

Protected 21700 Batteries: Feature an integrated protection circuit to prevent overcharging, over-discharging, and short circuits. These are slightly longer than standard 21700 cells. **Unprotected 21700 Batteries:** Designed for battery packs or high-performance applications where external battery management systems (BMS) handle protection.

How big is a 21700 cell?

The 21700 cell stands out due to its standardized dimensions of 21mm in diameter and 70mm in length. These measurements make it larger than the widely used 18650 cell, which measures 18mm by 65mm. This increase in size allows the 21700 to deliver higher energy storage and improved performance.

How much power does a 21700 mAh battery hold?

You don't really notice the size increase, but you definitely feel the performance upgrade. At its core, a single 21700 cell usually holds 4000-5000 mAh with a nominal voltage of 3.6-3.7 V. Fully charged, it hits 4.2 V, and cutoff usually happens around 3.0 V.

Key Highlights The 21700 battery signifies a specific size of lithium-ion rechargeable battery. Compared to the more common 18650 ...

Discover the advantages of 21700 battery packs. From 14.8V 20Ah designs to real-world usage tips, learn about specs, discharge rates, cycle life, and why 21700 cells outperform 18650.

A 21700 battery is a high-capacity, rechargeable lithium-ion cell designed for superior energy efficiency and performance. With a standard size of ...

Company Advantages 1. Body frame structure of 21700 battery is optimized by means of 21700 cell. Our Li-Ion Battery achieves extreme use and longevity with GSL deep ...

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The 21700 lithium battery cell has emerged as a pivotal innovation in energy storage solutions. With its 21mm diameter and 70mm length, this cylindrical power source ...

The 21700 battery is a larger type of lithium-ion rechargeable battery that has gained considerable popularity for its high capacity and improved performance compared to ...

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Discover the power of 21700 batteries -- high-capacity lithium-ion cells built for electric vehicles, power tools, and energy storage. Learn specs, types, and key benefits.

The 21700 battery, with 21mm diameter and 70mm length, offers 3.7V voltage and up to 5,000mAh capacity, making it ideal for high-power applications.

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The 21700 cylindrical lithium-ion battery, named for its 21mm diameter and 70mm length, has emerged as a dominant force in modern power solutions. This article delves into the ...

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