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What is a 21700 battery?
The 21700 battery is a cylindrical lithium-ion batterywith 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.

Are 21700 batteries safe?
Unprotected 21700 batteries: Lack built-in safety featuresand are generally used in battery packs with external battery management systems (BMS). 21700 batteries are widely used in: Electric vehicles,with companies like Tesla and other manufacturers using them in battery packs for improved energy storage and performance.

What is the difference between a 21700 and a smaller battery?
One of the standout features of the 21700 is its higher capacity and energy densitycompared to smaller batteries. This allows it to power larger devices,such as electric vehicles and solar energy storage systems,with more reliable performance and fewer recharges. As mentioned earlier,the 21700 battery is 21mm in diameter and 70mm in length.

Why are 21700 batteries so expensive?
· Initial Cost: High-performance 21700 cells can be more expensive upfront compared to smaller formats. · Compatibility: Older devices designed for 18650 cells may not accommodate the larger 21700 without modifications. As technology continues to advance,the performance of 21700 batteries is expected to improve further.

Jun 9, 2025 · Lithium-ion 21700 batteries are part of high-drain devices that provide a voltage range of 3.6 to 3.7 volts and are used where constant ...

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

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Discover the 21700 battery, a high-capacity lithium-ion cell designed for superior performance in various applications. With a larger format than the traditional 18650, the 21700 offers ...

Sunpower New Energy manufactures high-quality lithium-ion 21700 batteries, with UL, CB, and UN38.3 certifications. MOQ=2. Get Quotes for 21700 li-ion batteries.

Nov 14, 2025 · 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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Jan 17, 2025 · With discharge rates often exceeding 10A (and up to 35A for high-performance variants), 21700 cells are suitable for demanding applications such as drones, high ...

Mar 18, 2025 · Performance: 21700 batteries generally have a higher discharge rate, making them ideal for high-power devices. Application: Devices like the Convoy M21H 21700 flashlight and ...

Technical Specifications Chemistry: Like 18650 batteries, 21700 batteries come in various lithium-ion chemistries, including: Lithium cobalt oxide (LiCoO2 - LCO): High energy density but lower ...

EVE INR21700-40P High-Rate Li-ion Cell--Power Beyond Limits The EVE INR21700-40P lithium-ion cell delivers 50A continuous discharge (12.5C ...

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Dec 1, 2023 · Recently, BAK Battery announced the mass production of its 21700-5.5Ah high-capacity battery cells, once again achieving a ...

Category: LI ION 21700 CELL Tags: 21700 Cell for Drone, High Rate 21700 Cell Brand: EVE Description Additional ...

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