

What is a 21700 battery?

A 21700 battery is a high-capacity, rechargeable lithium-ion cell designed for superior energy efficiency and performance. With a standard size of 21mm in diameter and 70mm in length, these batteries were developed as a next-generation improvement over 18650 cells, offering increased power output, extended runtime, and higher energy density.

Are 21700 batteries safe?

Unprotected 21700 batteries: Lack built-in safety features and 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 an unprotected 21700 battery?

Unprotected 21700 Batteries: Designed for battery packs or high-performance applications where external battery management systems (BMS) handle protection. 21700 batteries are becoming the industry standard for devices requiring longer runtime and more power. Some common applications include:

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.

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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Specification Lithium ion Ternary Battery Cell 21700 4800mAh 3.7V without Protection Circuit Module (PCM) This data sheet describes the requirements and properties of lithium polymer ...

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Pkcell ICR21700 Li-ion battery is a high-capacity, rechargeable lithium-ion battery designed for various applications, including consumer electronics, power tools, and electric vehicles.

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Check out the 21700 Batteries from Samsung SDI, LG Chem, Molicel, ... Lithium-ion 3.7V rechargeable 21700 (21mm x 70mm) battery.

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.

Shop 21700 Li-ion batteries: Samsung 40T/50E/50S, Molicel P42A/P45B/P50B, EVE 50E/40PL & more. Flat-top, button-top & protected cells; bulk pricing.

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