

SolarInnovate Energy Solutions

8 yuan 21700 battery cell



Overview

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.

What is a 21700 battery?

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Are 21700 batteries bigger than 18650?

21700 batteries are larger and offer higher capacity than 18650 cells, which allows for fewer cells per pack and increased runtime in high-demand systems. Do 21700 battery cells require specific holders or enclosures?

Yes. Due to their size, 21700 battery cells must be used with holders and hardware designed specifically for the 21mm x 70mm format.

How big is 21700 battery in China?

The total planned scale of 21700 will reach 7GW. At present, it has formed supporting cooperative relations with China's mainstream new energy smart car companies, and continues to expand strategic customers, emerging Internet car companies, etc. Jiangsu Zhihang in Top 10 21700 battery manufacturers in China was established in July 2012.

What is the production capacity of 21700 battery cells?

This is especially evident in applications such as two-wheeled transportation, smart homes, power tools, consumer electronics, and portable energy storage. The capacity of 21700 battery cells has continuously broken through as their application scope expands. Currently, the highest production capacity available in the market is 21700-5.3Ah.

Are 21700 battery cells a good choice?

In the past two years, 21700 battery cells have gained widespread use in the small power market due to their higher energy density and overall cost advantages compared to traditional 18650 cells.

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.

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China 21700 Battery Cell Manufacturers Suppliers Factory

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