

SolarInnovate Energy Solutions

72v40ah lithium battery 21700 battery cell



Overview

What is a 72V 40Ah lithium battery?

A 72V 40Ah lithium battery is a powerful lithium battery with a 72V voltage rating and a 40Ah capacity. Using a single 72V system is more efficient than connecting six 12V batteries in a series, saving space and contributing significantly less weight to your devices. On top of that, 72V 40Ah lithium batteries are popular for the following advantages:.

What is a 72V 100Ah lithium ion battery?

The 72V 100AH Lithium-Ion Battery provides high safety through circular cells in Lithium Phosphate technology. 72V lithium-ion batteries are supposed to be a cost-effective replacement for lead-acid batteries, with a quadruple energy density for the same weight and size.

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.

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.

What is a 21 mm battery?

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. They are widely used in electric vehicles, industrial equipment, flashlights, and renewable energy storage.

How many Mah does a battery have?

Capacity: Ranges from 3000mAh to 5000mAh, depending on the chemistry and application. Discharge Rate (CDR): High-drain cells available with 30A, 40A, or even higher CDR ratings for demanding power needs. Cycle Life: Designed to last 500 to 1500+ charge cycles, based on proper usage and maintenance.

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72V 40AH Samsung INR21700-50S 5C 200A-425A Most Powerful Lithium Battery

Aug 1, 2025 · Features of the Product:
72V 40AH Samsung 21700-50S Cells
Lithium Battery with 6A Charger 5C High
Discharge Rate Cell ANTBMS 200A
support Bluetooth APP Battery Size: ...

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