

What is the maximum mAh of a 21700 battery cell





Overview

What is a high capacity 21700 battery?

These advancements in 21700 capacity reflect the rapid development of lithium ion battery cell technology. These new high capacity 21700 cells make lithium ion batteries even better for demanding applications like portable power tools, EVs, and high-drain devices. [Where To Buy The Highest Capacity 21700?](#)

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What is the best 21700 mAh battery?

The highest capacity 21700 is the XTAR 21700 6000mAh. The closest runners-up are Vapcell's F60 (6000mAh) and BAK's 5.5Ah (5500mAh) cell. The XTAR 6000mAh cell is not particularly hard to come by, but it is relatively expensive at over \$15 per cell.

What voltage does a 21700 battery run?

The 21700 battery operates at a nominal voltage of 3.7V, with a full charge voltage of 4.2V and a discharge cutoff voltage of 3.0V. This voltage range aligns with industry standards for lithium-ion batteries, ensuring compatibility with various devices and systems.

Why should you buy a 21700 battery?

This increase in size allows the 21700 to deliver higher energy storage and improved performance. The larger size of the 21700 cell enables it to store more energy, making it ideal for applications requiring high power capacity, such as electric vehicles and industrial battery packs.



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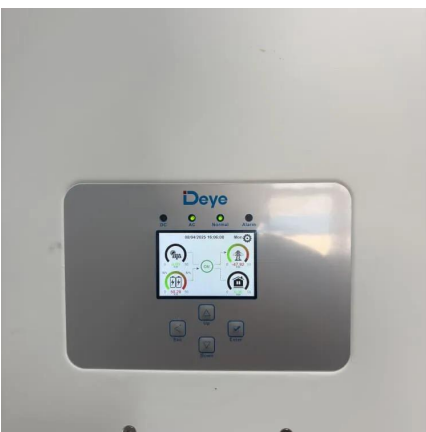


[Understanding the 21700 Battery and Its Specifications](#)

May 17, 2025 · 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.

[What capacity does 21700 battery has?](#)

Mar 19, 2025 · Wondering about 21700 battery capacity? Find the typical and maximum mAh values, understand what influences capacity, and make informed choices.



[Everything You Need to Know About the 21700 Battery](#)

Jan 28, 2024 · The 21700 cell has voltage of 3.7v and has between 3000 mAh and 5100 mAh (milli-amp-hours). The 21700 is physically larger than an 18650 battery, and AA/AAA batteries.

[21700 Battery Cell 3.7V 4800mAh Datasheet](#)

Dec 24, 2022 · Specification Lithium ion Ternary Battery Cell 21700 4800mAh 3.7V without Protection Circuit Module (PCM) This data sheet describes the requirements and properties of ...



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Sep 19, 2025 · The Vapcell F60 is one of the highest capacity 21700 cells available, rated at 6000 mAh with a maximum continuous discharge of 12.5A. Tests show its real capacity ranges ...



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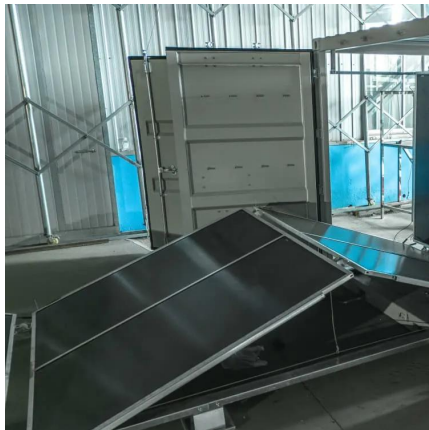
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Basic 21700 Specifications Protected vs Unprotected 21700 Batteries? How Much Power Does An 21700 have? How Many Times Can You Recharge An 21700 Or Other Battery? How Frequently Should I Recharge My 21700? How Do I Know My 21700 Is Dying? 21700 Chemistry 21700 Features What Are 21700 Batteries Used for? What Is The Best Travel 21700 Battery? A 3.7v a 5100mAh 21700 stores about 3 aH to max of 5 aH. It can store about 15 to 20 watt hours. A small air conditioning unit that can cool about 9000 BTU uses about 1100 watts per hour. So it would take more than 74 of these 21700 batteries to run the air conditioner for 1 hour. In comparison you would need three 12v 40 amp car batteries. But 74 See more on commonsensehome global-batteries



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What is the maximum capacity of a 21700-sized lithium-ion battery?

As of February 2025, the maximum capacity of 21700 lithium-ion batteries has reached 6000mAh.

What is the Highest Capacity 21700 Cell

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