

21700 battery cell assembly capacity





Overview

What is a 21700 battery?

The 21700 battery is a cylindrical lithium-ion battery with 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.

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.

What is the voltage of a 21700 battery?

The 21700 batteries have a voltage range of between 2.5 and 4.2 volts. The 21700 cells have a charging voltage of 3.7V and 4.2V, which is the standard for a 21700 battery.

What is the capacity of 21700 mAh battery?

Fenix ARB-L21-5000mAh is a 21700 Lithium Ion Rechargeable Battery with a capacity of 5000mAh and a voltage of 3.6V. Its charge current rate is recommended at 1A and has a maximum of 5A. The dimensions are: Length: 2.99" (76mm), Diameter: 0.85" (21.5mm), and Weight: 72.5g (2.56 Oz). It offers 500 recharge cycles, protection against over charge, over discharge, short circuit, and over heating, and comes with a 12-month warranty.



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NCR21700datasheet

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[Product Specifications Document No: 50/352](#)

Jun 7, 2021 · 1. Scope This document sheet is prepared to specify the technical parameters of the Li Ion cell model 21700 - 5000mah supplied under AMS Batteries.



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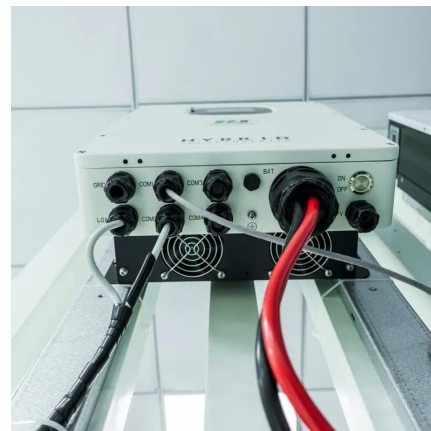


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