

# 21700 Battery Storage Requirements





## Overview

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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.

What is the voltage of a 21700 battery?

The voltage of a 21700 battery typically varies between 3.6V to 3.7V when it's in use. However, the voltage will fluctuate depending on its state of charge: Full Charge: The voltage will be around 4.2V. Nominal Voltage: The 3.7V is the average voltage at which most of the battery's charge is used.

What is the difference between a 21700 and a smaller battery?

One of the standout features of the 21700 is its higher capacity and energy density compared to smaller batteries. This allows it to power larger devices, such as electric vehicles and solar energy storage systems, with more reliable performance and fewer recharges. As mentioned earlier, the 21700 battery is 21mm in diameter and 70mm in length.

How long does a 21700 battery last?

On average, a 21700 battery can last between 500 to 1000 charge cycles, depending on its chemistry, usage, and maintenance. To maximize the lifespan of your 21700 battery, avoid deep discharges (below 20% charge) and overcharging (above 100%). Proper storage at moderate temperatures also helps ensure a long lifespan. Part 11.



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

Jun 7, 2021 · Cells Storage temperature conditions to be met while storage. Take utmost care of the polarity reverse polarity may cause severe damage to the application intended. Avoid ...

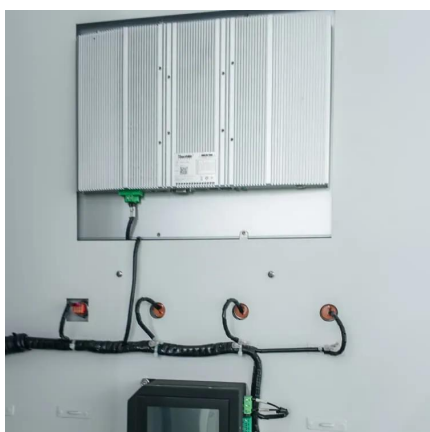
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### [Lithium Ion Rechargeable Battery Technical Information](#)

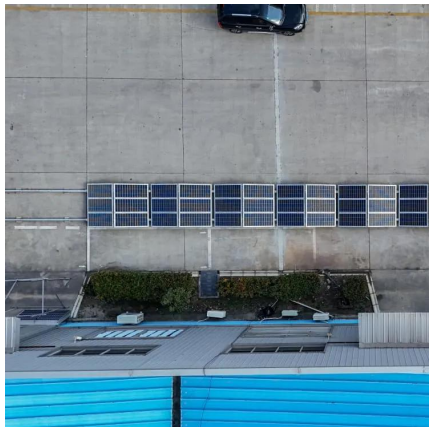
Feb 28, 2019 · Temperature Dependence of Discharge Capacity Charge: 4.2V / 4.0A / 10mA or 10h cut Discharge:10.0A / 2.0V @ X deg.C





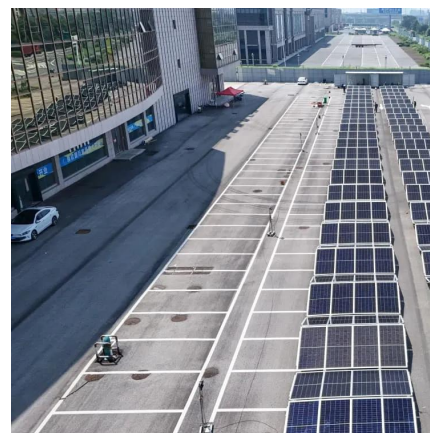
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## What Are the Key Specifications of the 21700 Cell?

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