



**NKOSITHANDILEB SOLAR**

# **Battery cell self-operated 21700**



## Overview

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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.

Why is a 21700 cell a good choice?

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. Its dimensions also contribute to better thermal management, ensuring safer and more efficient operation.

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.

How big is a 21700 cell?

The 21700 cell stands out due to its standardized dimensions of 21mm in diameter and 70mm in length. These measurements make it larger than the widely used 18650 cell, which measures 18mm by 65mm. This increase in size allows the 21700 to deliver higher energy storage and improved performance.

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Lithium-ion 21700 batteries are part of high-drain devices that provide a voltage range of 3.6 to 3.7 volts and are used where constant ...

Get everything you need for the lithium-ion battery cell SVOLT 21700-5000: Extensive measurement data in the total operation regime, a high-precision, physical battery ...

These 21700 lithium-ion batteries offer a longer lifespan and relatively low self-discharge rate, ensuring that devices remain powered for extended periods even when not in ...

Discover the advantages of 21700 battery packs. From 14.8V 20Ah designs to real-world usage tips, learn about specs, discharge rates, cycle life, and why 21700 cells outperform 18650.

Discover the power of 21700 batteries -- high-capacity lithium-ion cells built for electric vehicles, power tools, and energy storage. Learn specs, types, and key benefits.

The Lithium-Ion 21700 battery has quickly gained popularity in the tech and electric vehicle (EV) industries, providing impressive power density and performance. From ...

Get everything you need for the lithium-ion battery cell SVOLT 21700-5000: Extensive measurement data in the total operation regime, a ...

The 21700 lithium battery cell has emerged as a pivotal innovation in energy storage solutions. With its 21mm diameter and 70mm length, this cylindrical power source ...

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, ...

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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## Contact Us

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For catalog requests, pricing, or partnerships, please contact:

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