



# 21700 battery cell assembly capacity





## Overview

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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.

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Manufacturer: Honcell Energy Version: Date of Issue: 2024-09-28 Honcell Li-ion Cylindrical Datasheet-HCC Series HCV-24-01 Li-ion Cylindrical Rechargeable Battery Specification Sheet File Name: Standards: Prepared By Checked By Approved By Date: 2024-09-28 Date: 2024-09-28 Date: 2024-09-28.

Lithium battery sizes refer to the standardized physical measurements of rechargeable cells, usually coded as five-digit numbers like 18650 or 21700. In these codes, the first two digits show the diameter in millimeters, while the next three represent the height in tenths of a millimeter. Choosing.

range Capacity guaranteed.

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.

The 21700 battery gets its name from its physical dimensions: 21 millimeters in diameter and 70 millimeters in length. This size represents a precise upgrade from the once-widely used 18650 battery (18mm x 65mm). As a high-performance cylindrical lithium-ion battery, its core design philosophy is.

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 delivers up to 4800mAh capacity while maintaining robust thermal management. Engineers particularly value its ability to sustain.



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### [Panasonic 21700 Tesla Datasheet: Complete ...](#)

With a consistent voltage output, the Panasonic 21700 Tesla battery delivers stable and reliable power to meet the demands of high-drain devices. Its ...

### [21700 Battery Guide: Specs, Capacity, Lifespan & Best Uses](#)

Discover the guide to 21700 battery - specs, capacity, voltage, cycle life, applications, and 21700 vs 18650 comparisons. Ideal for tools, energy storage, and industrial ...



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

The capacity of the 21700 battery, ranging from 4,000mAh to 5,000mAh, significantly surpasses that of the 18650 cell. This higher capacity allows the 21700 to power ...

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

Nominal Voltage 3.7V Wat-Hour Rating 17.76Wh  
Max. Operating Voltage Range 2.75V to 4.20V  
Max. Charge Voltage 4.2V  $\pm$ 50mV Max. Charge



Current 2400mA. Max. Continuous Discharge ...



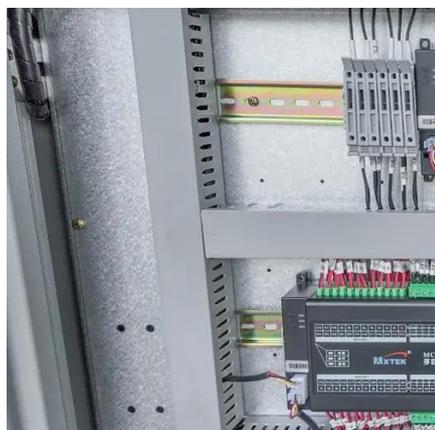
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### **NCR21700datasheet**

4.20V Std. 2.00mA Std. 180.0°C (2) At 25°C  
(3)Energy density is calculated using bare cell dimension. 5mm Max. 10.5mm When designing a pack, refer to the cell's mechanical drawing ...



### [Lithium Battery Sizes Guide: Chart & Dimensions \(2026\)](#)

Ultimate Lithium Battery Sizes Guide: Unlocking Massive Power Lithium battery sizes refer to the standardized physical measurements of rechargeable cells, usually coded as ...



## [21700 Batteries , High-Performance Lithium-Ion Cells](#)

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Discharge Rate (CDR): High-drain cells available with 30A, 40A, or even higher CDR ratings ...

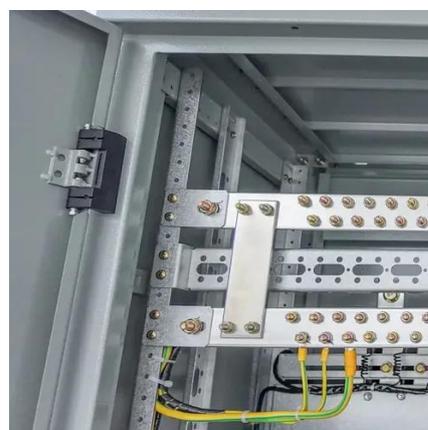


## [Li-ion Cylindrical Rechargeable Battery Specification Sheet](#)

1 2 Base Cell Model Capacity [mAh] Rated Voltage [V] Charge Cut-off Voltage [V] Discharge Cut-off Voltage [V] 3 4 5 This Specification sheet describes the basic performance, technical ...

## [21700 Battery Features, Types, Dimensions, & Uses](#)

The basic difference between 18650 and 21700 lithium batteries is size and capacity. 21700 battery has a larger diameter and capacity than the 18650 battery and ...



## [What Are the Key Specifications of the 21700 Cell?](#)

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 ...



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## [Panasonic 21700 Tesla Datasheet: Complete Specifications and](#)

With a consistent voltage output, the Panasonic 21700 Tesla battery delivers stable and reliable power to meet the demands of high-drain devices. Its wide operating temperature range ...



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## Contact Us

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