

Battery cell 21700 nominal voltage





Overview

How many volts does a 21700 battery have?

2170s may have a voltage range between 2.5 volts and 4.2 volts, or a charging voltage of 4.2 volts, but the nominal voltage of a standard 21700 is 3.7 volts, just like the 18650s batteries. There are two types; protected and unprotected. We absolutely recommend protected 21700 batteries. Protected 21700 batteries generally have a button top.

What is the difference between a 21700 and a 2170 battery?

The 21700 is physically larger than an 18650 battery, and AA/AAA batteries. 2170s may have a voltage range between 2.5 volts and 4.2 volts, or a charging voltage of 4.2 volts, but the nominal voltage of a standard 21700 is 3.7 volts, just like the 18650s batteries. There are two types; protected and unprotected.

Are 21700 batteries based on lithium ion?

However, most 21700 cells are based on lithium-ion (Li-ion) technology, which is widely used across many types of rechargeable batteries due to its excellent energy density and long lifespan. There are several types of lithium-ion chemistries that could be used within the 21700 format:.

What is a 21700 protected battery?

21700 protected batteries have an electronic circuit. The circuit is embedded in the cell packaging (battery casing) that protects the cell from “over charge”, heat or “over discharge”, over current and short circuit. A 21700 protected battery is safer than an 21700 unprotected battery (less likely to overheat, burst or start on fire).



Battery cell 21700 nominal voltage

What is a 21700 Battery

Jun 24, 2025 · 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 ...

Understanding the 21700 Battery and Its ...

May 17, 2025 · The larger size of the 21700 cell enables it to store more energy, making it ideal for applications requiring high power capacity, ...

Exploring the 21700 Battery: Your Ultimate Guide

Aug 8, 2024 · The nominal voltage of 21700 batteries makes them compatible with most devices that use lithium-ion cells, including electric vehicles, flashlights, and drones.

Understanding the 21700 Battery and Its Specifications

May 17, 2025 · 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 ...

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 (mili-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 ...

Cylindrical Type Lithium Ion Secondary Battery

Mar 21, 2025 · Lithium-ion secondary batteries have a high energy density, Murata only sells lithium-ion secondary batteries to corporate customers to be embedded and sold in end ...

21700 Battery Features, Types, Dimensions, & Uses

Jun 9, 2025 · This battery comes with Lithium Manganese Oxide chemistry, and the nominal voltage for the battery is 3.6 to 3.7 volts per cell, and the high recommended charging voltage ...

21700 Battery Features, Types, Dimensions,

Jun 9, 2025 · This battery comes with Lithium Manganese Oxide chemistry, and the nominal voltage for the battery is 3.6 to 3.7 volts per cell, and the ...

What Are the Key Specifications of the 21700 Cell?

Apr 11, 2025 · 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 ...



LITHIUM-ION BATTERY CELL SPECIFICATIONS

Jul 1, 2024 · Over-discharging The system should equip with a device to prevent further discharging exceeding discharging cut-off voltage specified in the product specification.Over ...

Everything You Need to Know About the 21700 Battery

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? Nitecore NL2150RX available directly from Nitecore. This is an 21700 3.7v 5000mAh protected cell with a built-in USB-C charger. It is a few dollars more, but it allows you to charge it on the go and not have to carry a dedicated charger. See more on commonsensehome ufinebattery Exploring the 21700 Battery: Your Ultimate ... Aug 8, 2024 · The nominal voltage of 21700 batteries makes them compatible with most devices that use lithium-ion cells, including electric ...

Contact Us

For technical specifications, project proposals, or partnership inquiries, please visit:

<https://www.walmerceltic.co.za>

Scan QR Code for More Information



<https://www.walmerceltic.co.za>