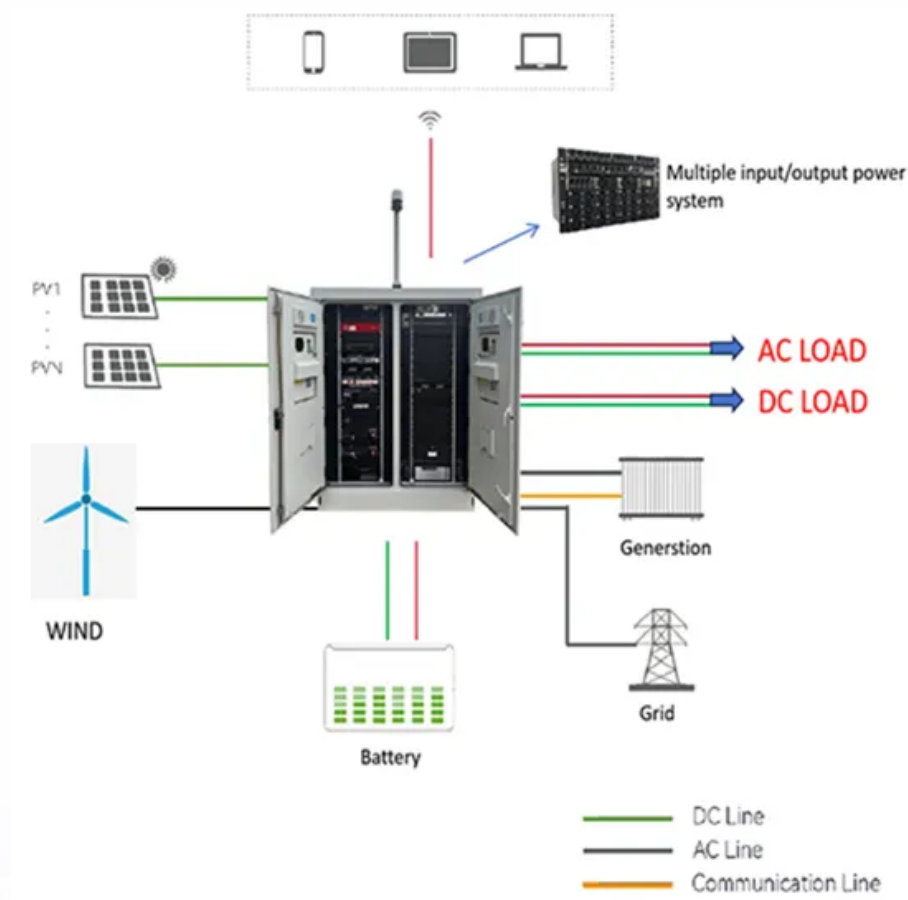


SolarTech Power Solutions

Two-cell lithium battery pack



Overview

What is a 2 cell lithium-ion battery pack?

Discover our range of 2 Cell (7.4V~8.4V) lithium-ion battery packs, designed to provide reliable and consistent power for your electronic devices and projects. These battery packs consist of two 3.7V lithium-ion cells connected in series, delivering a total voltage range of 7.4V to 8.4V.

What is a lithium ion battery pack?

These battery packs consist of two 3.7V lithium-ion cells connected in series, delivering a total voltage range of 7.4V to 8.4V. With their compact size and high energy density, these battery packs are suitable for a wide range of applications, including RC vehicles, drones, portable electronics, and more.

What are battery cells & modules & packs?

Battery cells, modules, and packs are different stages in battery applications. In the battery pack, to safely and effectively manage hundreds of single battery cells, the cells are not randomly placed in the power battery shell but orderly according to modules and packages. The smallest unit is the battery cell. A group of cells can form a module.

What is a 2 cell battery?

Each battery cell is rated for a specific voltage, commonly 3.7 volts for lithium-ion batteries. So, a battery designated as a '2 cell battery' would essentially have two cells connected in series. In a 2 cell battery configuration, both cells are connected in series, which increases the total voltage.

What is a battery pack?

They may be configured in series, parallel or a mixture of both to deliver the desired voltage, capacity, or power density. Packs are identified by cell size, number of cells, battery structure, chemistry, chargeability, capacity, and voltage rating. Lithium-Ion Battery Products - Battery Packs are in stock at

Digikey.

What is a mixed chemistry battery pack?

The mixed chemistry battery pack consists of two types of battery cell with different chemistry in one battery pack. The aim being to offer the best of both chemistries: A look at the power density versus energy density graph. This shows that high power tends to be at the expense of energy.

Two-cell lithium battery pack



In Stock 2 cell pack 8.4V Lithium Ion Battery ...

43 rows · Mar 5, 2025 · Lithium-Ion Battery Chargers for OEMs, engineers, hobbyists and consumers. This battery charger is a microprocessor controlled ...

Understanding the 2 Cell Battery: What It Means and Its ...

Mar 25, 2025 · What is a 2 Cell Battery?
A 2 cell battery primarily refers to a battery pack that consists of two individual cells. Each cell within this battery provides a nominal voltage, with a ...



Lithium Battery Basics: A Crash Course

Apr 29, 2021 · What is the difference between a cell and a module? What is form factor? And why is it handy to know about C-rate? Regardless of whether you're considering a career at a ...

Buy Best Quality 2s lithium-ion battery with ...

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Understanding Lithium Battery Configurations: ...

Apr 18, 2025 · Discover the different types of lithium battery cells, their configurations, and practical applications to create efficient and reliable energy ...

How to Balance Lithium Batteries with Parallel ...

Sep 1, 2023 · Parallel Cells vs. Strings in Parallel When designing a lithium battery pack, engineers have two primary options: connecting individual cells ...



Management of imbalances in parallel-connected lithium-ion battery

Aug 1, 2019 · Uneven electrical current



distribution in a parallel-connected lithium-ion battery pack can result in different degradation rates and overcurrent issues in the cells. Understanding the ...

2S LiPo Battery: A Comprehensive Guide for ...

...

May 17, 2024 · The "2S" in a 2S LiPo battery stands for "2 Series." This indicates that the battery consists of two individual cells connected in series. In a series ...



How To Balance A Lithium Batteries and Cells

Oct 3, 2022 · A balanced battery pack is critical to getting the most capacity out of your pack, read along to learn how to top and bottom balance a lithium battery ...

Battery protectors

2 days ago · We understand

performance and safety are major careabouts for battery packs with lithium-based (li-ion and li-polymer) chemistries. That is why we design our battery protection ...



bq2920x Voltage Protection with Automatic Cell Balance ...

Jun 19, 2025 · The bq2920x device is a secondary overvoltage protection IC for 2-series cell lithium-ion battery packs that incorporates a high-accuracy precision overvoltage detection ...

Influence of battery cell spacing on thermal performance of ...

Mar 15, 2024 · Further, cell spacing of 5 mm, 3 mm, and 1 mm are examined, and maximum temperature and temperature difference are compared along with the weight and volume of ...



Battery pack calculator : Capacity, C-rating, ampere,



charge ...

Battery calculator : calculation of battery pack capacity, c-rate, run-time, charge and discharge current Onlin free battery calculator for any kind of battery : lithium, Alkaline, LiPo, Li-ION, ...

Using the DS2786 Battery Fuel Gauge in a 2-Cell Battery Pack

The DS2786 is designed for a single-cell lithium-ion battery pack but can be easily adapted to a 2-cell pack. The circuit described in this application note adds only two integrated circuits and an

...

Applications



Grouping optimization of dual-system mixed lithium-ion battery pack

May 15, 2025 · Highlights o Battery packs containing two different types of lithium-ion batteries are studied o Electrochemical-thermal coupling modeling of dual-system battery packs is developed o

Lithium-ion Battery Pack Manufacturing Process ...

Jul 28, 2023 · CMB's battery pack designer gives priority to the following three most common battery cells for the battery pack design: INR (Ternary Lithium), ...



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Strings, Parallel Cells, and Parallel Strings

Feb 15, 2016 · Strings, Parallel Cells, and Parallel Strings Whenever possible, using a single string of lithium cells is usually the preferred configuration for a lithium ion battery pack as it is ...



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