

Kongres Container

5-cell flat-push lithium battery pack



GEL Battery



Lithium Battery



Container storage system



Power Battery



Overview

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 flat lithium ion battery?

Part 1. Anatomy of a flat lithium-ion battery Flat lithium-ion or lithium polymer batteries offer high energy density, are lightweight, and provide flexibility. They offer a specific energy of 100–265 Wh/kg and an energy density of 250–693 Wh/L, making them ideal for compact and portable applications.

What is a prismatic battery pack?

Battery packs with prismatic cells are currently used in consumer market products (smartphones, tablets, etc.). RRC has developed the FLATPAQ portfolio, a new family of standard batteries with different combinations of prismatic cells. These battery packs are equipped with a multi-level safety circuitry and a smart Battery Management System (BMS).

Why do we use lithium-ion batteries?

We utilize lithium-ion cells with the highest energy density, maximized discharge current, and the utmost safety levels in our battery packs. Different chemical compositions and varying configurations of battery cells result in different housing shapes and performance data for our lithium-ion standard batteries.

What are prismatic Lithium batteries used for?

Battery packs with prismatic lithium cells are currently used in consumer market products (smartphones, tablets, etc.). RRC has developed the FLATPAQ

portfolio, a new family of lithium-ion (li-ion) and lithium-polymer (li-po) standard batteries with different combinations of prismatic cells from 1S1P to 3S1P.

Which industries use flat lithium-ion batteries?

Various industries use flat lithium-ion batteries in different applications due to their versatility. Consumer electronics: Smartphones, tablets, and laptops benefit from their compact size and high energy density. Wearable devices: Fitness trackers and smartwatches utilize their lightweight and flexible design.

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Contact Us

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