

# Pack battery customization





## Overview

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What is a custom battery pack?

Engineers design and tailor custom battery packs to meet the specific requirements of a particular device or application. Unlike off-the-shelf batteries, manufacturers build custom packs to exact specifications, considering size, shape, voltage, capacity, and environmental conditions.

What are the advantages of custom battery packs?

One of the most significant advantages of custom battery packs is their ability to maximize space utilization. Engineers can design batteries that fit perfectly into the available space within a device, allowing for:

3. Cost-Effectiveness

While custom battery packs may have higher initial costs, they often prove more cost-effective in the long run.

How long does it take to build a custom battery pack?

The development time for a custom battery pack can vary significantly based on the project's complexity. Typically, the process can take anywhere from 4 to 12 weeks. This timeline includes initial consultation, design, prototyping, testing, and refinement.

How to make a battery pack?

Ultimately you will make a single cell with a higher capacity. Example: Connecting two 3.2V / 6000mAh cells in parallel will produce 3.2V, but the total capacity will be increased to 12000mAh. To make the battery pack, you have to first finalize the nominal voltage and capacity of the pack. Either it will be in terms of Volt, mAh/ Ah, or Wh.



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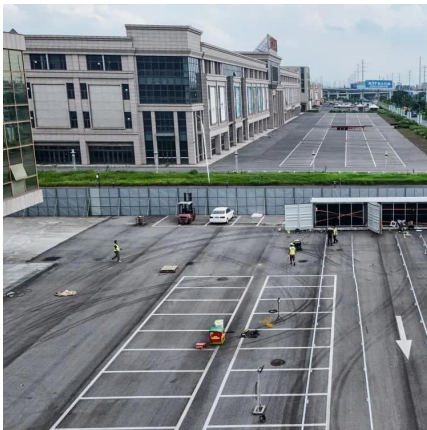


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Design custom battery packs with ease! Create packs using new or existing lithium cells, adjust capacity & voltage, and visualize your configuration instantly. Perfect for DIYers, engineers, and battery enthusiasts!

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