



# Pure aluminum energy storage box customization

What are custom aluminum boxes?

Custom aluminum boxes are made in a variety of styles with countless features. You can specify windows, louvers, locks, gaskets, and much more. Aluminum boxes are versatile and can be used as electrical enclosures, mobile cabinets, and storage for tools, among other things. Your design selection is unlimited with KDMfab.

What are the benefits of custom aluminum boxes?

Custom aluminum boxes offer several benefits due to the material they are made from. Aluminum is a lightweight material, so the boxes fabricated from it are easy to move, carry, and mount--making it a versatile solution for any project. Additionally, aluminum is recyclable, so manufacturing custom aluminum boxes is eco-friendly and affordable in the long run.

Is it eco-friendly to make custom aluminum boxes?

Manufacturing custom aluminum boxes is eco-friendly since aluminum is recyclable. You will be able to recycle or modify your box, easily giving it a second life. Aluminum is also highly weldable, bendable, and ductile, making it easy to machine and customize at any time.

Which alloys are used for custom aluminum boxes?

The most common alloys used for custom aluminum boxes are 6062, 7075, and 3003. You can always contact KDM support to discuss the best alloy for your project. Metal fabrication is the process of making metal pieces by cutting, bending, and shaping the metal.

How to choose the best aluminum battery housing material?

Choosing a high-quality aluminum battery housing material and selecting the optimal encapsulation process based on the characteristics of the case material is essential for ensuring the safety and service life of the battery. Currently, 3003 aluminum sheet is typically used for electric vehicle aluminum battery housings.

Are aluminum alloy sheets suitable for lithium-ion battery cases?

At HDM, we have developed aluminum alloy sheets that are perfect for cylindrical, prismatic, and pouch-shaped lithium-ion battery cases based on the current application of lithium-ion batteries in various fields. Our aluminum alloy materials are user-friendly, compatible with various deep-drawing processes.

Our extensive aluminium range, including durable aluboxes, versatile alu cases, and customizable aluminum storage boxes, caters to diverse needs. With our commitment to strength, versatility, and bespoke design, we ensure each ...



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