
New Energy Battery Cabinet Aluminum Cover

What material is used in power battery aluminum trays?

Chalco's production of power battery aluminum trays mostly uses 6-series 6061 aluminum plate as the raw material for battery aluminum trays, which can meet the characteristics of high precision, corrosion resistance, high temperature resistance, and impact resistance to protect the battery core.

What are energy power battery shells made of?

The new energy power battery shells on the market are mainly square in shape, usually made of 3003 aluminum alloy using hot rolled deep drawing process. Depending on the design requirements of the power battery, the thickness and width can be customized.

What is a power battery casing made of?

The material of the power battery casing is generally made of aluminum casing, because the aluminum casing has excellent lightweight structure, good thermal conductivity, and is safer and more durable.

Which aluminum alloy is used in power batteries?

Aluminum alloy is a commonly used material for power batteries, and there is an urgent need to focus on research, development, and upgrading of products and alloy materials. At present, the conventional aluminum alloys used in power batteries mainly include 1-series, 3-series, 5-series, and 6-series.

The range of materials for developing EV battery cases is growing, and are addressing issues of weight, assembly and even condensation.

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New energy battery shell aluminum anodized material At present, 3003 aluminum alloy is generally used for New energy battery shell aluminum anodized material, because this ...

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3003 aluminum plate, especially in H14 temper, has become a cornerstone material for new energy vehicle lithium battery cases. Widely used in the construction of lightweight, ...

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3003 aluminum sheet is a widely used material for new energy power battery cover and battery housing. 3003 alloy is known for its excellent plasticity, making it easy to form into complex ...

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