

# New energy battery die-casting shell

What is the new energy vehicle long cell battery shell sector?

The new energy vehicle long cell battery shell sector, as the company's main strategic development direction in the future, will become the main sector for the company's transformation from the traditional automotive industry to the new energy vehicle industry.

What is energy long cell battery shell?

The new energy long cell battery shell developed and produced by our company adopts a cold bending forming+high-frequency welding process, which breaks through the constraints of traditional deep drawing/extrusion processes and overcomes the welding technology of ultra-thin aluminum shells.

What are the disadvantages of aluminum battery shell?

Low tensile strength and hardness of the aluminum shell of the power battery can lead to low compressive strength and hardness, and the profile is prone to curved and tortuous shapes. Impact on battery stability  
High-frequency Welded Long Cell Shell Battery Pack

EV battery case, also known as EV battery box, is one of the most important components in new energy vehicles. The best NEVs make use of aluminum alloy for the battery case structures as key components that offer security for their battery ...

EATHU discusses ways to customize die-cast aluminum battery housings and analyzes them from a variety of perspectives, including performance, manufacturing processes, and cost, to help you create the battery housing that best meets your needs.

The power battery shell is one of the core components of the new energy electric vehicle. Its packaging process is very important in the production process of the power battery. Good packaging determines the safety and life of the battery.

The invention discloses an aluminum alloy die casting for a new energy automobile battery shell and a preparation method thereof, and relates to the technical field of alloy die castings. According to the invention, firstly, elements are reasonably proportioned, a high-strength aluminum alloy die casting with fine crystal grains and uniform distribution is obtained by a ...

High-frequency Welded Long Cell Shell Battery Pack. Improved battery energy density: The module design has been canceled, reducing many structural component designs. Meanwhile, ...

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As the world's leading supplier of new energy vehicle batteries, CATL has also deployed magnesium alloy die casting for battery packs. In November 2020, CATL, Sanxiang Advanced Materials, Vansun ...

Aluminum die casting EV vehicles battery box housing Contact Now. USD 5000 ~ 10000. Aluminum die casting new energy box Contact Now . USD 5000 ~ 10000. Aluminum die casting new energy controller middle frame Contact Now. USD 5000 ~ 10000. Aluminum die casting new energy shell Contact Now. USD 5000 ~ 10000. Die casting new energy electric drive bridge ...

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High-frequency Welded Long Cell Shell Battery Pack. Improved battery energy density: The module design has been canceled, reducing many structural component designs. Meanwhile, the upper and lower boxes are tightly connected to the battery cells, resulting in a significant increase in volume energy density, with a 50% increase in volume energy ...

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Benefiting from the rapid development of the global new energy industry, 5G communications, smart terminals and other industries, and more importantly, the trend of automotive light-weighting, the automotive industry's demand for aluminum, zinc and other metal die castings will continue to grow in the future. So no matter in which aspect ...

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Aluminium alloy motor shell is the core part of the new energy vehicle powertrain. It has a complex structure with an average wall thickness of 4~5mm, a side wall with 6~7mm spiral water ...

By reasonably selecting materials, carefully designing the shell structure and considering multiple performance requirements, a high-quality shell can be customized to meet the requirements for use in energy storage batteries. When looking for a suitable supplier, you should not only examine its production capacity and technical level, but also consider its ...



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Web: <https://doubletime.es>

