

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 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 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

How long do aluminum shells last?

High temperature corrosion resistance: The simulated aging test of the aluminum alloy shell shows that its service life is more than 20 years. Among the metal materials, the aging resistance of aluminum far exceeds that of other traditional metal materials.

The properties of aluminum plastic films were analyzed by tensile test. The material properties of aluminum plastics were defined in Dynaform software. The simulations of aluminum plastic film drawing processes were carried out. The process parameters that affected the formability of aluminum plastic films were analysed by single factor experiment and orthogonal test. The ...

The embodiment of the application provides a shell, a battery monomer, a battery and electric equipment, and belongs to the technical field of batteries. Wherein, the casing includes shell body and relief structure, and the shell body is used for holding electrode assembly, and relief structure includes a plurality of first relief grooves that set up in the shell body along the circumference ...

Through assembling this battery monomer and forming power battery package, it not only can solve yields and anticorrosive problem that the steel casing met in the welding, also can ...

The annual output of aluminum shell cover plate exceeds 400 million sets, of which the output of cylindrical monomer ranks first in the industry. ... In the initial stage, from scratch, we developed and produced 1865140 power lithium battery shells and covers. 2013-2015. In the development stage, the existing products are effectively copied ...

The application discloses battery case, battery monomer, battery and consumer belongs to battery technology field. The battery case includes a case body formed with an accommodation space for accommodating the electrode assembly, and a protective structure; the protective structure is arranged on the shell body, covers at least part of the accommodating space, and ...

The invention relates to the technical field of batteries and discloses a battery monomer processing method, which comprises the steps of welding a positive lug and a positive cover plate of a pole core assembly, and welding a negative lug and a negative cover plate of the pole core assembly to obtain a first assembly; coating an insulating film on the first component; filling the ...

The embodiment of the application provides a shell, a battery monomer, a battery and electric equipment, and belongs to the technical field of batteries. Wherein the housing includes a peripheral wall and a set of slots. The peripheral wall is used for surrounding the electrode assembly. The groove group includes a plurality of first grooves provided on the peripheral ...

EV battery, Recycling processing, industry, electric vehicles. ... leakage of the battery monomer, module or battery pack ... Hard shell square cell from the aluminum alloy or iron metal as a ...

The main products are VDA standard square aluminum shell battery products of 50 ~ 150Ah series. The project construction process has high standards and strict requirements, and the ...

The application provides a battery monomer, power battery package and consumer relates to power battery technical field. The battery cell includes: a battery aluminum case having a receiving cavity configured to receive the electrode assembly such that the battery aluminum case forms a positive electrode; and the negative electrode structure is connected to one side of the ...

Automobile power battery pack is made of new energy battery shell aluminum, which has the characteristics of easy processing and forming, high temperature corrosion resistance, good ...

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