

The box structure of the power battery pack is an important issue to ensure the safe driving of new energy vehicles, which required relatively better vibration resistance, shock resistance, and durability. Its structural safety is closely related to the life safety and property safety of drivers and passengers, which is an important index to ...

Through weight reduction and structural optimization, an innovative power battery pack design scheme is proposed, aiming to achieve a more efficient and lighter electric ...

The energy storage revenue has a significant impact on the operation of new energy stations. In this paper, an optimization method for energy storage is proposed to solve the energy storage configuration problem in new energy stations throughout battery entire life cycle. At first, the revenue model and cost model of the energy storage system are established ...

Using POMEAS 8055 spectral confocal sensor solution, non-contact measurement, compared with the traditional contact measurement method, it can avoid the occurrence of foreign objects and appearance wear on the product, and can accurately identify ...

This study takes a new energy vehicle as the research object, establishing a three-dimensional model of the battery box based on CATIA software, importing it into ANSYS finite element software, defines its material properties, conducts grid division, and sets boundary conditions, and then conducts static and modal analysis to obtain the stress a...

Determining the flatness distribution form has practical effects on improving manufacturing quality and reducing costs in battery manufacturing. The battery is an important part of the new energy electric vehicle, and the control of the flatness of its side plate/bottom plate is the key to quality improvement in mass production.

This study takes a new energy vehicle as the research object, establishing a three-dimensional model of the battery box based on CATIA software, importing it into ANSYS ...

Determining the flatness distribution form has practical effects on improving manufacturing quality and reducing costs in battery manufacturing. The battery is an important ...

Web: <https://roomme.pt>