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New Energy Vehicle Battery Pack





Overview

This work proposes a multi-domain modelling methodology to support the design of new battery packs for automotive applications. The methodology allows electro-thermal evaluation of different spatial arra.

How important is a battery pack for a new energy vehicle?

For new energy vehicles, the key component that affects vehicle safety is the battery pack. As the carrier of the battery, the importance of the battery pack cannot be underestimated. The strength, rigidity, heat dissipation and waterproof of the battery pack body should meet high design requirements (Feng and Hu, 2020).

What is a power battery pack?

The power battery pack provides energy for the whole vehicle, and the battery module is protected by the outer casing. The battery pack is generally fixed at the bottom of the car, below the passenger compartment, by means of bolt connections. The safety of the power battery pack is one of the important indicators to measure the safety of BEVs.

Should the new energy vehicles industry pay more attention to battery pack structures?

Comparing with traditional vehicles, the new energy vehicles industry should pay more attention to safety of power battery pack structures. The battery pack is an important barrier to protect the internal batteries.

What is a power battery pack design scheme?

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



New Energy Vehicle Battery Pack

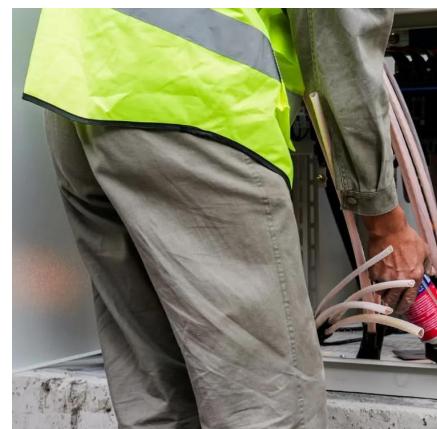


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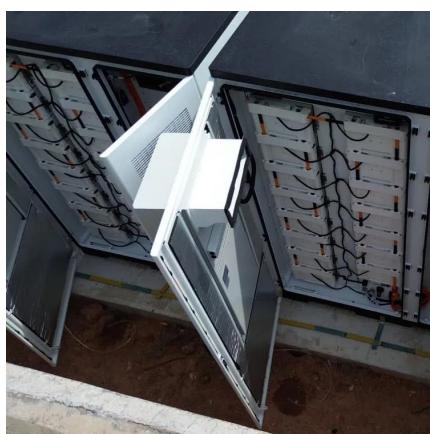
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