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Title: Battery pack mechanical structure thermal design

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This paper offers a detailed overview of the process involved in designing a mechanical structure for an electric vehicle's 18 kWh battery pack. The chosen ANR26650M1-B lithium iron ...

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In the proposed design, the first and second terminals are placed at the first and fourth series string while the battery pack is divided into four regions, each corresponding to ...

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electric vehicle"s 18 kWh ...

To comprehensively investigate mechanical-thermal coupling properties and function-oriented design of battery pack, a novel battery pack with triangular micro-channel ...

The mechanical design of a battery pack involves creating a structure that not only houses the battery cells but also provides ...

Isothermal conduction calorimeters along with battery testers are best equipment to measure heat generation at various current rates, temperatures, and states of charge (SOCs)

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