

A-Core Container

Battery cabinet vibration 2 2KWH



Overview

How was the battery pack secured to the vibration table?

The battery pack was secured to the vibration table using fixtures, and the method of securing the battery pack and the bolt specifications were consistent with those used in the actual vehicle assembly.

What is vibration testing of power battery systems?

Vibration testing is an essential method for assessing the mechanical reliability of power battery systems. This article primarily introducing the vibration testing methods of power battery systems. 1. Vibration Testing 2. Comparison of Battery System Vibration Standards 3. Vibration Testing of Power Battery Systems 1. Vibration Testing.

Why is vibration control important in battery testing?

Vibration control is a necessary part of the reliability testing of batteries, ranging from small cells to automotive lithium-ion packs. The expanding industry needs the tools to control vibration safely while ensuring battery durability. Set up and safely control vibration shaker tests using any VR hardware unit and generate custom reports.

What are the standards for vibration testing of battery systems?

Most testing standards for battery systems include vibration tests. The national mandatory standard GB38031 Ⅺ, issued in 2020, clearly defines the methods and requirements for vibration testing of power battery systems. The relevant standards for vibration testing of battery systems in both domestic and international contexts are as follows:.

Why is vibration test important for electric vehicle power batteries?

Electric vehicle power batteries are generally arranged in the lower body of the vehicle. The electric vehicle power battery is subjected to the vibration excitation transmitted by the road surface during the complete life cycle of

the vehicle. Therefore, the vibration test is an important link in the design and development of the battery pack.

How a power battery system is fixed to a vibration table?

Power battery systems are usually fixed to the vibration table using specially designed fixtures. The main function of the fixtures is to secure the sample to the table and transmit the vibration load from the table to the test sample without distortion.

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