

Dec 10, 2022 Vibration measurements were obtained using tri-axial accelerometers allocated on the battery pack to evaluate the vibration characteristics of the commercial vehicles and to ?

Jun 1, 2025 The energy storage needs for satellites vary based on mission requirements, and lithium-ion batteries, with varying energy densities, cater to a diverse array of satellite ?

Jun 16, 2025 Lithium-ion batteries (LIBs) have gained significant attention in recent years due to their widespread applications in electric vehicles, portable electronics, energy storage, and ?

Sep 1, 2023 The effect of mechanical vibration on the PCM-based battery thermal management module of a single cylindrical lithium-ion battery at high ambient temperature and high ?

Jun 13, 2024 Battery packaging should be designed to consider the effects of vibration and shock, and appropriate measures should be taken to protect the battery's internal structure. ?

Feb 24, 2025 This review investigated the impact of vibrations on EV batteries by drawing connections between vibration and battery performance, highlighting EV NVH sources, and ?

Mar 4, 2025 The fatigue life of an energy storage supercapacitor box applied to urban rail vehicle is studied in this paper. The first 10 modes of the supercapacitor box is calculate.

Jun 11, 2025 The effect of vibration on lithium battery performance is significant. You may notice structural damage, reduced energy efficiency, and a shortened lifespan in high-stress ?

Nov 14, 2017 An additional motivation for this study is to provide a comprehensive framework for multi-axis vibration testing within the eld of EV battery test and evaluation that fi encompasses ?

Jun 1, 2025 Lithium-ion batteries (LIBs) have gained significant attention in recent years due to their widespread applications in electric vehicles, portable electronics, energy storage, and ?

Aug 26, 2024 Abstract The recently published UNECE Regulation No. 100 Revision 3 will impose a number of updated and new requirements upon manufacturers of rechargeable ?

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Jun 1, 2025 Abstract The impact of placement orientation on vibration-induced electrochemical degradation of three different lithium-ion battery geometries, namely, pouch, prismatic, and ?

Aug 12, 2024 Abstract Lithium-ion batteries are being increasingly used as the main energy storage devices in modern mobile applications, including modern spacecrafts, satellites, and ?

Apr 25, 2025 The performance of lithium-ion batteries (LIBs) is influenced by the coupled effects of environmental conditions and operational scenarios, which can impact their electrochemical ?

May 1, 2024 inacoustic has been commissioned to assess the impact of potential noise arising from a proposed Battery Energy Storage System (BESS) facility on land west of Pentir ?

May 31, 2021 As the lithium-ion battery market share grows, so must our understanding of the effect of mechanical vibrations and shocks on the electrical performance and mechanical ?

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