

Are Indian lithium battery packs safe

Why should lithium batteries be regulated in India?

Global Competitiveness: Aligning with international standards like IEC 62133 and ISO 12405 ensures that Indian-made lithium batteries can compete in global markets, opening up export opportunities. Future of Lithium Batteries in India BIS standards are pivotal for ensuring the safe and sustainable adoption of lithium batteries in India.

Are lithium ion batteries safe?

However, lithium-ion batteries can also be prone to risks such as overheating, fire, and failure due to improper usage. The IS 16046:2012 standard governs the safety and performance of lithium-ion batteries. The key points of this standard include: Thermal Stability: Lithium-ion batteries must be able to operate within safe temperature ranges.

Why are lithium batteries important in India?

Lithium batteries are at the heart of modern technology, powering everything from smartphones to electric vehicles (EVs). As India advances toward electric mobility and renewable energy goals, ensuring the safety, reliability, and performance of lithium batteries has become crucial.

How to import batteries into India?

Import Authorization: Importers must obtain permission from BIS to import batteries into India. This is done by submitting an application that includes product details, the BIS standard being followed, and the manufacturer's certification. Compliance with BIS Standards: Imported batteries must comply with the relevant BIS standards.

What are BIS standards for lithium batteries in India?

BIS standards for lithium batteries in India set a high benchmark for safety, performance, and reliability. They play a vital role in protecting consumers, supporting domestic manufacturing, and aligning Indian products with global standards.

Are unregistered lithium-ion batteries legal in India?

The goods of unregistered lithium-ion batteries are prohibited under Indian law. Heavy fines can be imposed on sellers and importers, such as Hence, compliance is not voluntary; rather, it is mandated by law. The BIS registration process could be confusing, particularly for manufacturers or importers doing it for the first time.

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