

What type of packaging do you need for lithium ion batteries?

Depending on the Watt-hour rating for lithium ion cells or batteries or the lithium metal content for lithium metal cells or batteries, the packaging required may need to be UN specification or may be simply strong, rigid packaging that is strong enough to withstand the shocks, mechanical handling, and loading encountered in transport.

What is a battery pack?

Units which have two or more cells that are commonly referred to as "battery packs", "modules", or "battery assemblies" having the primary function of providing a source of power to another piece of equipment are for the purposes of the UN Model Regulations and this guidance document treated as batteries.

Why is IATA promoting the viability of Air Transport for lithium-ion batteries?

That's why the International Air Transport Association (IATA) is promoting the increased viability of air transport for lithium-ion batteries through a four-part approach: Promote the development of outcome-based, harmonized safety-related screening standards and processes for lithium batteries.

Are lithium batteries allowed in air transport?

Here's a fully updated overview of the current air transport regulations for all types of lithium batteries and devices. All standalone lithium batteries are prohibited as cargo on passenger aircraft.

Does IATA offer a shipping lithium batteries by air course?

For proper training on dangerous goods including the Shipping Lithium Batteries by Air course, IATA offers a wide variety of safety courses to ensure you are competent in dealing with dangerous goods. This is required for all who participate in the shipping and handling of dangerous goods.

Are lithium-ion batteries safe to ship by air?

Shippers must follow these rules, be appropriately certified, and have the training and expertise to prepare lithium-ion batteries for safe air transport. Here are some of the criteria for shipping lithium-ion batteries by air: Lithium-ion batteries must be packaged in compliance with regulations including UN3480, UN3481, and IATA-specific rules.

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Packaging. Lithium-ion batteries shipped alone must be packaged in isolation from one another and other conductive surfaces to avoid short circuits. They must also be isolated from certain other dangerous goods. Their packaging must prevent undue movement in transit and damage if dropped to protect against thermal

runaway. Labeling

Packaging plays a huge role in keeping your batteries safe during transport. To prepare your batteries for shipment, first read the manufacturer's recommendations for safe shipping. You must ensure optimal quality of packaging when preparing for shipping. We've listed some must-dos on how to ship batteries:

-Short Circuit Protection: Batteries should be packaged individually to prevent short circuits, typically using anti-static bags or specialized plastic packaging. - Protective Outer Packaging : Strong, durable outer packaging is required to protect the batteries from physical damage during transit.

In addition to the content from the DGR, the LBSG also has additional classification flowcharts and detailed packing and documentation examples for lithium batteries. The purpose of this document is to provide guidance for complying with provisions applicable to the transport by air of lithium batteries as set out in the DGR.

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How Do I Safely Package Lithium Batteries for Transport? Selecting suitable packaging, and then packing the batteries safely, is a key component to safely transporting lithium batteries. For larger batteries, the packaging may need to UN specifications. What type packaging you need is not a "one size fits all" answer. The battery type ...

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To ensure the safe air transport of lithium batteries, we recommend implementing the following best practices:
1. Use Approved Packaging: Utilize packaging specifically designed for lithium batteries that meets IATA standards. This includes using sturdy outer boxes with cushioning materials to prevent movement during transit. 2.

When it comes to shipping batteries by air, certain regulations and guidelines dictate which types can be transported safely. Generally, lithium-ion and lithium polymer batteries are commonly shipped by air, provided they meet specific criteria regarding their watt-hour (Wh) ratings and packaging requirements.

Batteries that comply with these ...

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1. Use Approved Packaging: Utilize packaging ...

IATA provides the most comprehensive guide to international air transport regulations for shipping lithium batteries by air in their Lithium Battery Shipping Regulations manual. Navigating the rules surrounding how to ship lithium batteries can be complicated, but IATA's manuals simplify the complex task in easy step-by-step processes.

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