
Battery Pack Air Transport

What types of batteries can be transported by air?

You will encounter two main types when transporting lithium batteries by air: lithium ion batteries and lithium metal batteries. Lithium ion batteries, often used in consumer electronics like laptops and smartphones, are rechargeable and have a typical energy density of 160-270Wh/kg for NMC Lithium battery and 180-230Wh/kg for LCO Lithium battery.

Can lithium batteries be transported by air?

Use cargo aircraft for standalone lithium batteries and never ship damaged or recalled batteries to avoid penalties and safety hazards. You will encounter two main types when transporting lithium batteries by air: lithium ion batteries and lithium metal batteries.

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.

When will lithium ion batteries be available for air transport?

From 1 January 2026, lithium-ion batteries that are packed with equipment and vehicles powered by lithium ion or sodium ion batteries must be offered for air transport with the battery at a reduced state of charge, unless otherwise approved by the relevant states (A331).S

Shipping lithium-based batteries by air requires strict compliance with IATA, UN 38.3, and carrier rules for safe, legal, and penalty-free transport.

Regulations on Safe Transportation of Lithium Batteries 1. The type of lithium battery must satisfy the requirements specified for each test in Section 38.3, Part III, of the UN ...

To keep this critical technology moving through global supply chains, shippers must understand how to safely ship lithium-ion batteries by air.

I. Please note 1. Damaged or recalled lithium batteries are prohibited. 2. Lithium batteries and power banks without a label of rated capacity or with illegible labels are prohibited. Please ...

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 57th Edition of the IATA Dangerous ...

The lithium battery air shipping guide becomes a vital tool as the need to transport these batteries across the globe efficiently and safely grows. With the complexity of air ...

Guide to shipping batteries by air safely and legally, including lithium battery regulations, packaging, and best practices.

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