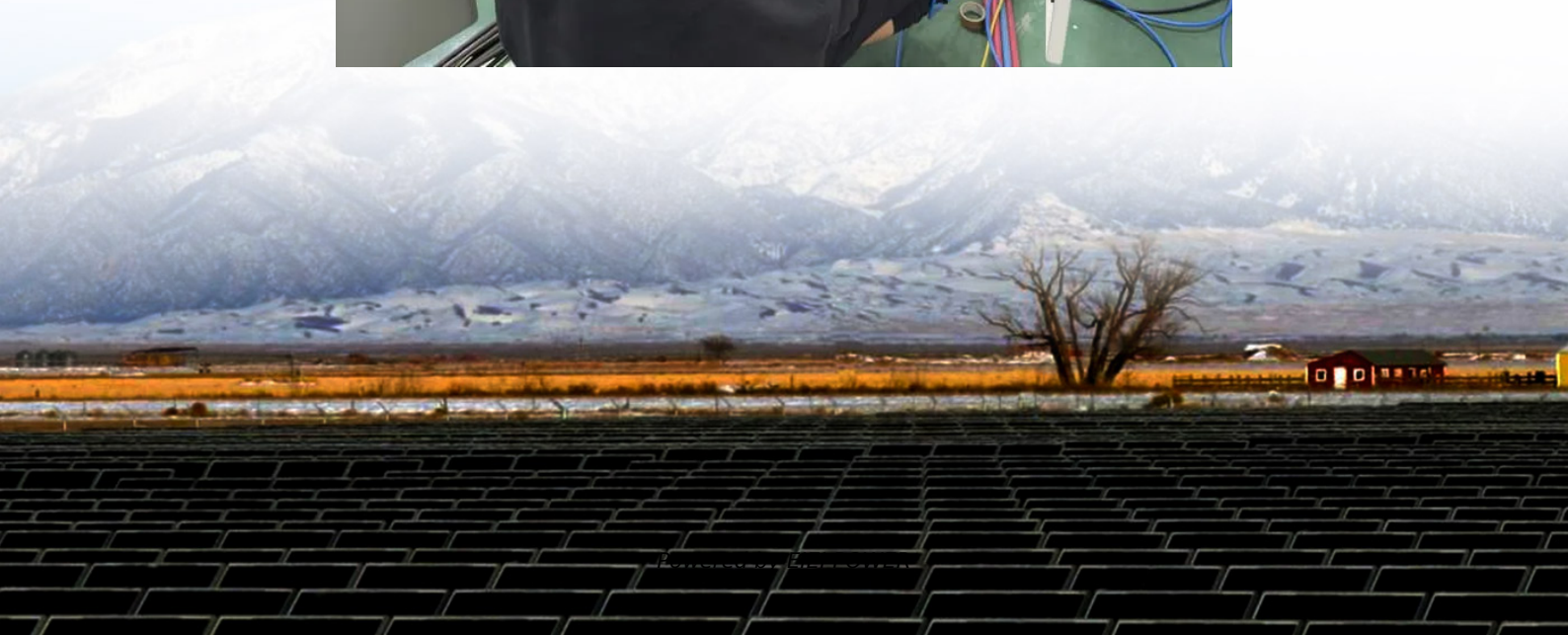


# Can battery energy storage products be shipped by air





## Overview

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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.

Should lithium batteries be shipped by air?

Regulations for shipping lithium batteries by air are in place to protect everyone who would come in contact with a lithium battery shipment while it is being transported as air cargo; with training being required for everyone in this supply chain, to protect the aircraft, and the people in the aircraft, that is carrying the batteries.

Can I ship lithium ion batteries on cargo aircraft only?

You must ship these batteries on cargo aircraft only. This rule applies to both lithium-ion and lithium metal batteries shipped without equipment. Cargo Aircraft Only (CAO) Label: You must affix a CAO label to every package containing standalone lithium batteries.

Are lithium batteries safe in air cargo?

Failure to comply may result in shipment rejection or legal action. These regulations help you safely ship lithium batteries and reduce fire risks in air cargo. Always use UN 38.3 certified lithium batteries and follow IATA packaging and labeling rules to ensure safe and legal air shipment.



## Can battery energy storage products be shipped by air

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### **New Air Transport Regulations for Lithium and Sodium-ion Batteries**

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shipped by air, and it's essential for businesses to understand the new requirements.



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The lithium content in the battery governs the energy storage capacity (runtime) measured in watt-hours (Wh). The Wh measurement is used to ...



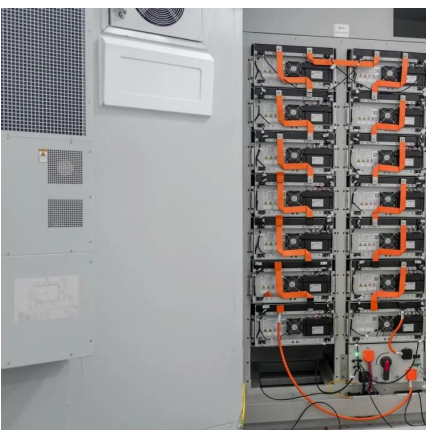
### [Can Lithium Ion Batteries Be Shipped By Air?](#)

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### Shipping lithium batteries by air

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



### Can a car start storage battery be shipped by air?

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## [2025 Guide: Can You Ship Lithium Batteries by Air?](#)

It's important to note that as of 2025, "dry cell" batteries, such as alkaline, nickel-cadmium, and carbon zinc batteries, are still not listed as hazardous materials in international regulations.

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### [Understanding Battery Transportation ...](#)

Battery transportation involves strict regulations. This guide explains the rules for safe and compliant battery shipping and handling.



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The lithium content in the battery governs the energy storage capacity (runtime) measured in watt-hours (Wh). The Wh measurement is used to limit the quantity a passenger can bring onboard ...





## How to Ship Lithium-based Batteries by Air Safely and Legally

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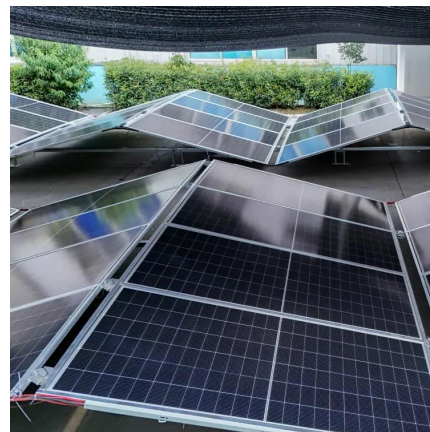


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