

# **UK solar container battery air transport capacity restrictions**





## 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.

Are damaged lithium batteries allowed in air transport?

Damaged lithium batteries are forbidden from air transport. See page 06 of this guide for information on damaged batteries. For passenger aircraft, the package may not exceed 5 kg net quantity. "Net quantity" refers to the weight of the batteries, not packaging materials or the equipment (column 9 of the HMT - § 172.101).

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 tates (A331).S.

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.



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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.

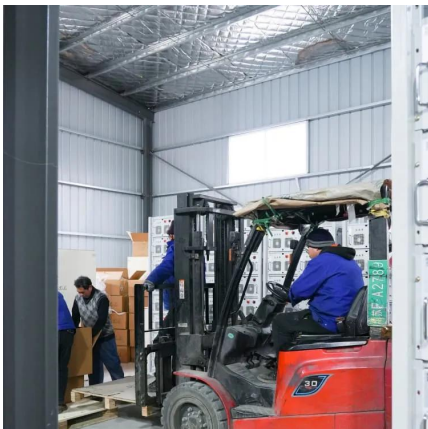
### [lithium battery regulations update 2025. Hibiscus Plc](#)

2025 updates to air transport rules for batteries. Learn about thermal runaway risks and new safety solutions for lithium-ion & sodium-ion.



### [Lithium Battery Shipping Requirements](#)

Lithium battery shipping requires strict compliance with international hazardous materials regulations due to potential safety risks. This 2024 ...



### [Requirements for Shipping Lithium Batteries 2025](#)

Jul 1, 2025 · The Carriage of Electric Vehicles, Lithium-Ion Batteries, and Battery Energy Storage Systems by Seas Executive Summary  
The rapid global adoption of electric vehicles



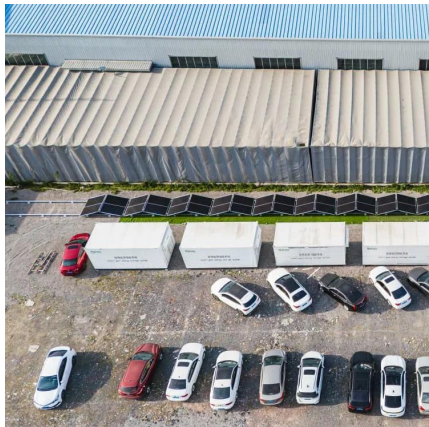


(EVs), ...



### [How to Ship Lithium-based Batteries by Air Safely and Legally](#)

Jul 29, 2025 · Shipping lithium-based batteries by air requires strict compliance with IATA, UN 38.3, and carrier rules for safe, legal, and penalty-free transport.



### [How to Ship Lithium-based Batteries by Air ...](#)

Jul 29, 2025 · Shipping lithium-based batteries by air requires strict compliance with IATA, UN 38.3, and carrier rules for safe, legal, and ...



### [Lithium Battery Shipping Requirements](#)

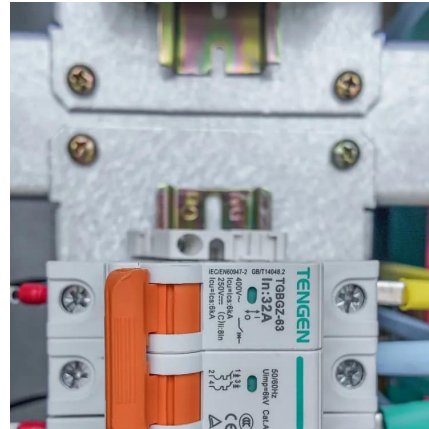
Lithium battery shipping requires strict compliance with international hazardous materials regulations due to potential safety risks. This 2024 guide covers essential requirements for ...





## [LITHIUM BATTERY GUIDE FOR SHIPPERS](#)

Jul 22, 2025 · The HMR includes provisions for the classification, packaging, hazard communication (e.g., package marking, labeling, shipping papers), stowage, and handling of ...

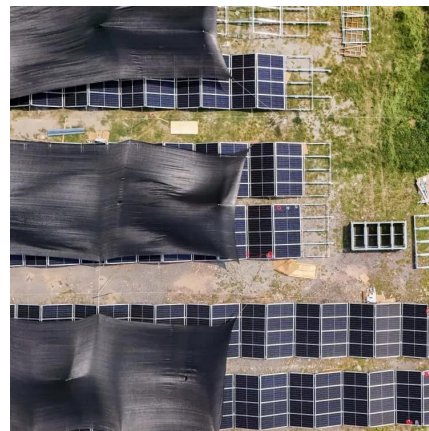


## [How To Ship High-Capacity Energy Storage Batteries](#)

Nov 10, 2025 · Yes, restrictions vary depending on the type of battery, its energy capacity, and the mode of transport. It's crucial to consult the relevant regulations for specific limitations.

## [Battery Shipping: Classification, Best Practices, and more](#)

Apr 4, 2024 · Shipping lithium batteries? Learn how to pack and ship them safely and how different rules apply depending on the mode of transport.



## [lithium battery regulations update 2025](#)

2025 updates to air transport rules for batteries. Learn about thermal runaway risks and new safety solutions for lithium-ion & sodium-ion.



## Transport of lithium batteries , UK Civil Aviation Authority

Key things to consider if you are shipping lithium batteries include: International requirements for manufacturing and testing: UN Manual of Tests and Criteria, Part III, subsection 38.3. ...



### **Battery guidance document**

Feb 3, 2025 · Currently, it is strongly recommended that when offered for air transport, equipment that is packed with, or contains, lithium-ion batteries, and vehicles powered by lithium-ion ...

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