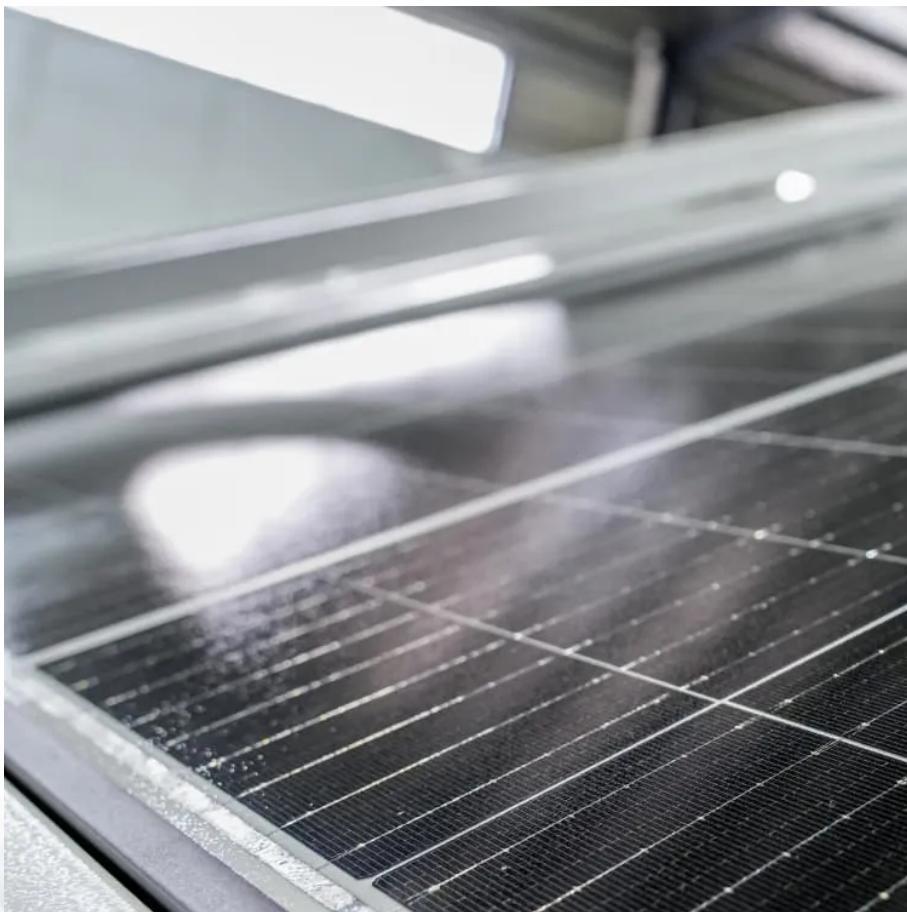




MODERNIZATION SOLAR

Solar container lithium battery energy storage cabinet air transport requirements





Overview

What are the requirements for shipping lithium-ion batteries by sea?

Container Requirements: Containers used for shipping lithium-ion batteries by sea must meet specific IMDG Code regulations. These regulations may include requirements for proper ventilation, fire-resistant lining, and segregation from incompatible cargo to minimize risks during transport.

Are battery energy storage systems safe aboard ships?

In recent months, Gard has received numerous inquiries about the safe transportation of battery energy storage systems (BESS) aboard ships. This article addresses some of the key risks, regulatory requirements, and recommendations for shipping such cargo.

What are the classification and shipping requirements for lithium-ion batteries?

The classification and shipping requirements for lithium-ion batteries depend on their size and energy capacity (Watt-hours). For standalone batteries. Strict UN-certified packaging. IUMI strongly supports the SoC limit of 30% for air freight and advocates similar principles for maritime transport.

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.



Solar container lithium battery energy storage cabinet air transport



Shipping battery energy storage systems

In the past few months, Gard has received several queries on the safe carriage of battery energy storage systems (BESS) on ships. In this

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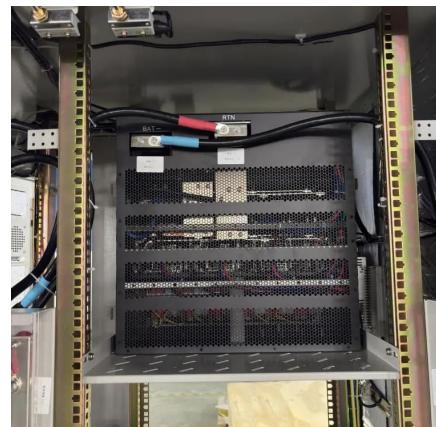


Requirements for Shipping Lithium Batteries 2025

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

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.



Ensuring the Safe Transport of Battery Energy Storage ...

In recent months, Gard has received numerous inquiries about the safe transportation of battery energy storage systems (BESS) aboard ships. This article addresses some of the key risks, ...



(EVs), ...

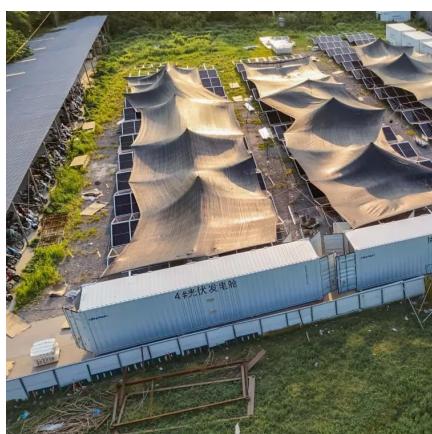


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Comprehensive Guide to Safe Shipping of Lithium Battery Energy Storage

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Lithium battery energy storage containers (UN3536, Class 9) must be packaged with shockproof, moisture-resistant, and abrasion ...



Comprehensive Guide to Safe Shipping of ...

Jun 18, 2025 · (3)Packaging Requirements
Lithium battery energy storage containers (UN3536, Class 9) must be packaged with shockproof, ...



[A Comprehensive Guide on Lithium-Ion Battery Shipping ...](#)

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Sep 10, 2024 · With the continuous development of lithium battery technology and the strong support of lithium batteries and new energy technologies from all over the world, large-scale ...



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



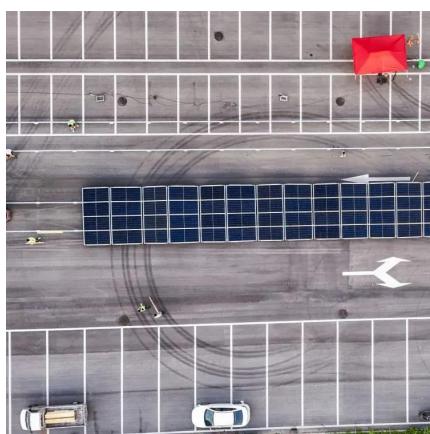
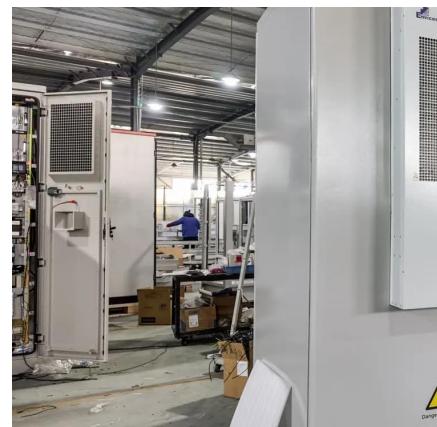
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Lithium battery energy storage cabinet transportation ...

For lithium battery transportation the United Nations has clear guidance on testing and criteria to be met for safe transportation¹, but warehouse storage dockside is not addressed. The ...



Lithium Battery Shipping Requirements

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