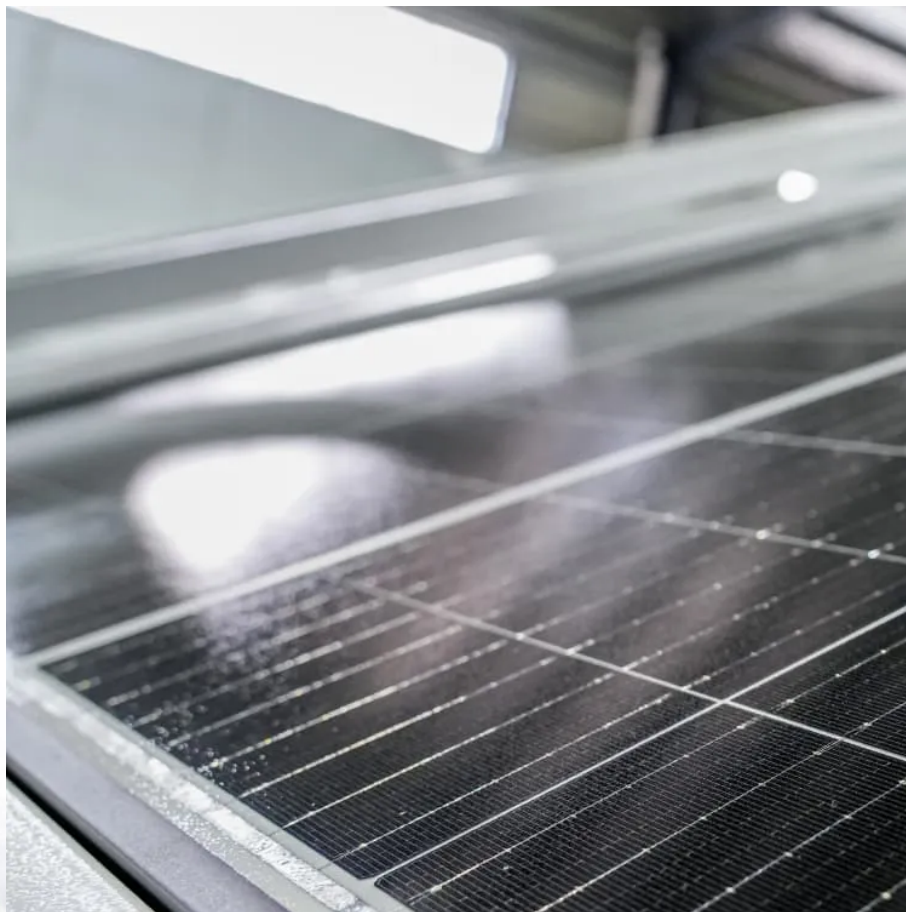


Solar container lithium battery energy storage cabinet air transport requirements





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



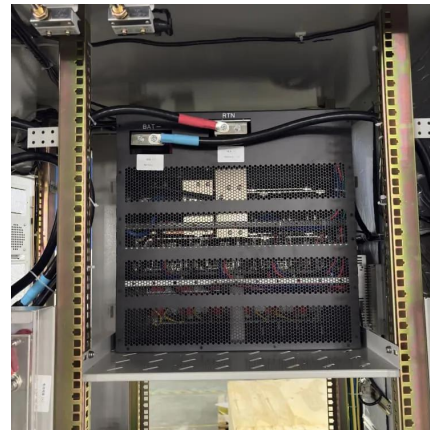
[How to Ship Lithium-based Batteries by Air Safely and Legally](#)

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.

[Shipping battery energy storage systems](#)

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The rapid global adoption of electric vehicles



(EVs), ...



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



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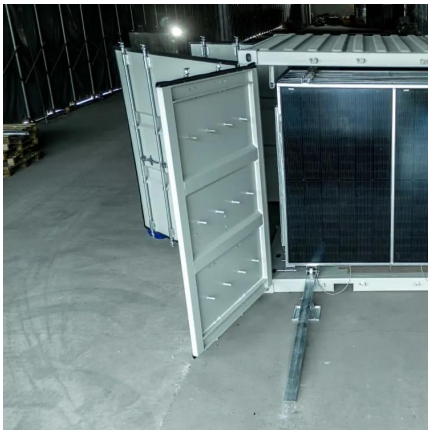
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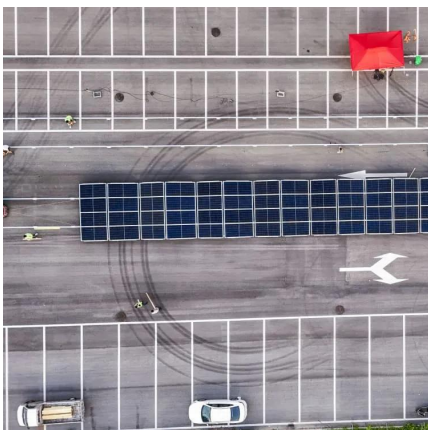


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Sep 25, 2024 · Container Requirements: Containers used for shipping lithium-ion batteries by sea must meet specific IMDG Code regulations. ...



[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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