

# **New standard for solar container lithium battery pack**





## Overview

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What are the lithium-ion batteries in containers guidelines?

The Lithium-ion Batteries in Containers Guidelines that have just been published seek to prevent the increasing risks that the transport of lithium-ion batteries by sea creates, providing suggestions for identifying such risks and thereby helping to ensure a safer supply chain in the future.

What are the new packaging requirements for lithium ion batteries?

Revised Packing Instructions: More stringent requirements for UN-certified packaging, capable of withstanding specific drop tests. State of Charge (SoC) Emphasis: Increased scrutiny on the SoC for standalone lithium-ion battery shipments, with a general requirement not to exceed 30% of rated capacity.

What are the IMDG standards for lithium batteries?

With the rapid growth of the new energy sector, global lithium battery (UN3480/UN3481) shipments have surged by over 25% annually. According to the 2024 IMDG Code, lithium batteries must pass UN38.3 testing and meet strict packaging rules. This guide explains the latest standards to help shippers avoid rejections. 1.

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.



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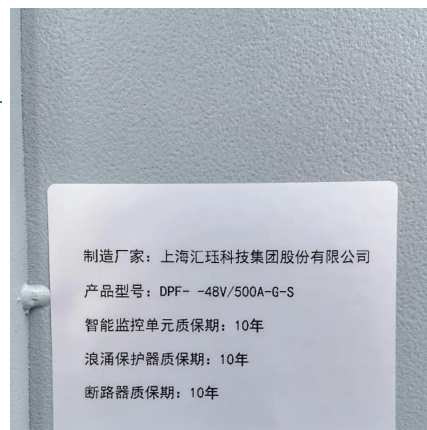


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