

New Energy Battery Container Packing Standards





Overview

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.

How many batteries should be in a pack?

E.13 Under Packing Instructions 966 and 969, it states that “The maximum number of batteries in each package must not exceed the minimum number required to power the equipment, plus two spare sets. A “set” of cells or batteries is the number of individual cells or batteries that are required to power each piece of equipment”.

Which batteries can be affixed to a package?

be affixed to packages containing larger lithium-ion (cells >20Wh or batteries >100Wh), lithium-metal (>1g per cell, >2g per battery), or sodium-ion cells and batteries. The battery mark is not applied to packages which have been prepared in accordance with:



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the equipment into a UN specification packaging meeting Packing Group II performance standards.

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