
New Energy Battery Container Packing Standards

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.

Are lithium batteries safe to transport in 2025?

Transporting lithium batteries safely has become a global priority. You must understand the regulations governing this process in 2025 to prevent risks and ensure compliance. Over 40 air transport incidents involving lithium batteries have occurred since 1991, with 21 on passenger aircraft.

The rising global demand for new energy products has significantly increased the volume of battery and solar panel shipments--making efficient and compliant logistics more ...

Understand 2025 lithium battery transportation rules, including packaging, labeling, and compliance to ensure safe and legal shipping across all modes.

As the global transition to green energy accelerates, batteries--core components of the new energy industry--are experiencing explosive growth in cross-border transportation. ...

The new battery container, housed in a standard 10ft container, streamlines installation with its positioning tolerance space and closed-cabinet wiring design to shorten ...

The Global Standards Certifications for BESS container based solutions is significant. As Battery Energy Storage Systems become critical to modern power ...

Key Highlights of IMDG Code Amendment 42-24: New UN Numbers: Introduction of more specific UN numbers for various types of lithium-ion batteries and electric vehicles. ...

Building on the foundation of safety, our packaging is tailored based on the specific type and

quantity of industrial batteries to be transported. Our AkyPak® containers can be ...

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