

<div class="df_qntext">What are lithium-ion batteries?

For the purposes of the DGR, lithium batteries are separated into two main types: lithium metal batteries and lithium-ion batteries. Lithium-ion batteries are rechargeable and use lithium compounds as an anode.

<div class="df_qntext">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.

<div class="df_qntext">What are the different types of lithium batteries?

Lithium batteries fall into two broad classifications: lithium metal batteries and lithium-ion batteries. This is according to the IATA Guidance Document for Lithium Batteries and Sodium ion Batteries - 2025.

<div class="df_qntext">Are lithium-ion batteries rechargeable?

Lithium batteries fall into two broad classifications: lithium metal batteries and lithium-ion batteries. Lithium-ion batteries are rechargeable and contain lithium which is only present in an ionic form in the electrolyte.

<div class="df_qntext">Do lithium batteries need to be labeled?

Except for containerized lithium-ion battery energy storage systems and vehicles powered by lithium batteries (pure electric or hybrid), each package containing lithium batteries must be labeled with the correct shipping name and the corresponding UN number prefixed with the letters "UN."

<div class="df_qntext">Where can I find information about lithium and sodium ion batteries?

The provisions of the DGR with respect to lithium and sodium ion batteries may be found in the IATA Battery Shipping Regulations (BSR) 12th Edition. The BSR provides additional classification flowcharts and detailed packing and documentation examples for these batteries.

Lithium cells and batteries - Classification and identification (MDTC) This document is associated with the following: Event ECOSOC Sub-Committee of Experts on the Transport of ...

These instructions have been specifically prepared for the shipment of lithium batteries fully regulated as Class 9, UN3090, UN3091, UN3480, UN3481; effective January 1, 2025; ADR 2025.

(also abbreviated as Li-ion batteries) are secondary (rechargeable) battery where the lithium is only present in an ionic form in the electrolyte. Also included within the category of lithium-ion batteries are ...



Lithium solar container battery classification

These classifications address the specific safety measures necessary for the handling and transport of lithium batteries in energy storage applications, highlighting the significant risks ...

Li-ion batteries may arise within waste electrical and electronic equipment (WEEE), however, this guidance is focused on the safe storage of Li-ion batteries at waste handling facilities and is not ...

In today's dynamic energy landscape, harnessing sustainable power sources has become more critical than ever. Among the innovative solutions paving the way forward, solar energy ...

The provisions of the DGR with respect to lithium batteries may also be found in the IATA lithium Battery Shipping Guidelines (LBSG) 8th Edition. In addition to the content from the DGR, the LBSG also has ...

Discover Polystar's cutting-edge solutions for energy storage systems and lithium-ion battery storage. Our fire-rated lithium battery storage containers and comprehensive safety measures comply with ...

The IMDG Code Amendment 42-24 is the cornerstone of the updated regulations, bringing significant changes to the classification, packaging, and handling of lithium-ion batteries and their associated ...

Fully automatic lithium battery station cabinet production line With an annual capacity of 60,000 battery modules, the new automated lithium battery production line integrates intelligent loading, high-speed ...

Ever tried mailing a fire-breathing dragon? That's essentially what shipping lithium ion batteries UN3480 feels like for supply chain professionals. These power-packed energy sources fuel everything from ...

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