

<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 lithium ion batteries?

For the purposes of the DGR they are separated into lithium metal batteries and lithium-ion batteries. Lithium metal batteries are generally primary (non-rechargeable) batteries that have lithium metal or lithium compounds as an anode. Also included within lithium metal are lithium alloy batteries.

<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">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.

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

Lithium batteries fall into two broad classifications; lithium metal batteries and lithium ion batteries. Lithium metal batteries are generally non-rechargeable and contain metallic lithium. Lithium ion batteries are rechargeable.

<div class="df_qntext">Are lithium ion batteries classified as dangerous?

Lithium ion batteries are classified in Class 9 - Miscellaneous dangerous goods as UN 3480,Lithium ion batteries.

For the purposes of this guidance document and the IATA Dangerous Goods Regulations, power banks are to be classified as batteries and must be assigned to UN 3480, lithium ion batteries, or UN 3090, ...

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G. Clarified treatment of cardboard pallets for commodity classification in Section 2.2.9. H. Clarified and expanded lithium-ion battery storage guidance in Section 2.4.2. I. Updated empty intermediate bulk ...

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

In the last decade, the rapid proliferation of Lithium-Ion Battery Energy Storage Systems (Li-Ion BESS) has become a critical cornerstone in bridging the renewable energy supply-demand gap. However, ...

UN3481 and UN3536 are all classified as Class 9 dangerous goods and need to provide UN38.3 test report during the transportation. But there are several differences between them.

With the increased use of Lithium-ion (Li-ion) batteries in consumer electronic equipment and electric vehicles (EVs) over recent years, there has been an associated increase in the generation of Li-ion ...

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 ...

Some batteries are regulated when shipped or offered for transportation. If the battery is restricted, then all applicable hazardous materials regulations must be met. This guide provides information to assist ...

(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 ...

UN Number: The correct UN number for the lithium battery must be clearly displayed on the packaging, such as "UN 3480" for lithium-ion batteries or "UN 3090" for lithium-metal batteries.

Introduction The entry UN 3536 "LITHIUM BATTERIES INSTALLED IN CARGO TRANSPORT UNIT lithium ion batteries or lithium metal batteries" was included in the twentieth edition of the ...

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