



Declaration of lithium-ion batteries for solar container communication stations





Overview

What is a shipper's declaration for lithium ion batteries?

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This compliance resource was prepared to assist a shipper to safely package lithium cells and batteries for transport by all modes of transportation according to the latest regulatory requirements. This guide provides scenario-based situations that outline the applicable requirements that a shipper.

What is a shipper's declaration for lithium ion batteries?

By signing the Shipper's Declaration, the shipper is making a legal statement that all the applicable provisions of the DGR have been complied with, which includes that the lithium ion batteries are at no more than 30% SoC. G.04 Do I have.

This document provides awareness of the International Civil Aviation Organization's (ICAO) 2023-2024 Edition of the Technical Instructions (Doc 9284) requirements for lithium batteries. This document does not replace any regulation and is not considered training. The carrier can be more restrictive.

ractical guidance to the regulations for the carriage of lithium ion batteries and lithium ion batteries in/with equipment. In any case it is necessary to consult the regulations themselves for details. The applicable of lithium ion batter onditions classify which dangerous goods regulations must.

UN3480 and UN3481 cover different scenarios: batteries shipped alone versus batteries shipped with or contained in equipment. Safe packaging, proper labeling, and complete documentation reduce risks and delays. Watt-hour (Wh) limits and



“Cargo Aircraft Only” restrictions are critical for air.

Lithium battery shipping requires strict compliance with international hazardous materials regulations due to potential safety risks. This 2024 guide covers essential requirements for transporting both lithium-ion (UN3480) and lithium-metal (UN3090) batteries by air, sea, and ground, including. Do lithium batteries need a packing declaration?

Packing Declarations. This is mandatory for Lithium-Ion Batteries classified as dangerous cargoes but could be initiated for Lithium-Ion Batteries that are declared under SP188 of the IMDG Code and which are considered as less dangerous, but nevertheless must be considered as “critical” (Critical Cargo Declaration and Packing Certificate).

Do lithium ion batteries need hazard communication?

- Per special provision 181 in § 172.102, a package containing both lithium ion and lithium metal batteries must include hazard communication for both battery types (See Guide 07 for Lithium Metal Battery hazard communication requirements).

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 is a lithium battery guide for shippers?

LITHIUM BATTERY GUIDE FOR SHIPPERS A Compliance Tool for All Modes of Transportation Revised October 2024 WWW.PHMSA.DOT.GOV 2 INTRODUCTION
This compliance resource was prepared to assist a shipper to safely package lithium cells and batteries for transport by all modes of transportation according to the latest regulatory requirements.



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[Requirements for Shipping Lithium Batteries 2025](#)

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 ...

[CINS and P& I Clubs publish guidelines for Lithium ...](#)

According to the report, all stakeholders involved in the carriage of Lithium-Ion Batteries in containers are asked to carefully ...



CINS guidelines for shipping lithium-ion cells in containers

The enclosed document provides shipping companies, operators and carriers with safety standard guidance for the transportation of lithium-ion cells, classified under UN Nos. ...

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[Shipping Lithium-Ion Batteries: UN3480 & UN3481 ...](#)

Learn the essential regulations for shipping lithium-ion batteries (UN3480 & UN3481) to ensure safety and compliance in your logistics ...



Shipping Lithium Ion Batteries and Lithium-Ion-Batteries ...



Dangerous goods (e.g. lithium batteries, fuel cell cartridges) contained in equipment such as data loggers and cargo tracking devices, attached to or placed in packages, overpacks, containers ...



2024 LITHIUM BATTERY SHIPPING GUIDE

Except for prototype batteries, each lithium cell or battery (small, medium or fully regulated) must be of the type proven to meet the criteria in part III, sub-section 38.3 of the UN Manual of Tests ...

[Interactive Guide to Shipping Lithium Batteries](#)

This document provides awareness of the International Civil Aviation Organization's (ICAO) 2023-2024 Edition of the Technical Instructions (Doc 9284) requirements for lithium batteries. This ...



[CINS guidelines for shipping lithium-ion cells in ...](#)

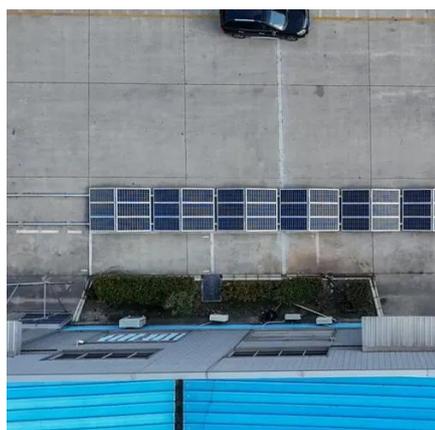
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[Lithium Battery Shipping Requirements](#)



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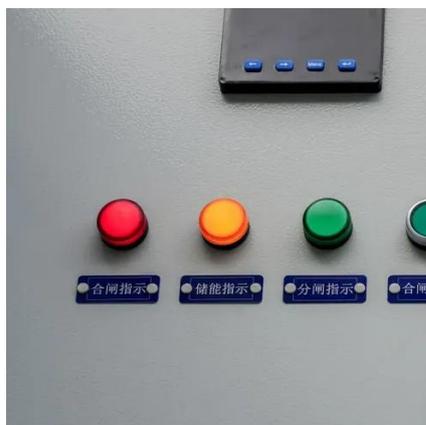


Lithium Battery Guide

Each distinct shipping guide in this document refers to the regulatory requirements for a specific lithium cell/ battery type, configuration, and size. In this way, a shipper will easily find the ...

[Shipping Lithium-Ion Batteries: UN3480 & UN3481 Regulations](#)

Learn the essential regulations for shipping lithium-ion batteries (UN3480 & UN3481) to ensure safety and compliance in your logistics operations.





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