

Shipping regulations for lithium batteries





Overview

Lithium batteries weighing over 35kg must be approved by the national authority of the shipping and destination country before shipment. Defective or damaged lithium batteries must not be transported. Batteries must be packaged in a way that prevents damage, short-circuiting, and accidental activation. What are the shipping requirements for a lithium ion battery?

All packages prepared in accordance with Packing Instruction 968, Section IA, IB and II, must bear a Cargo Aircraft Only label, in addition to other required marks and/or labels. All lithium ion cells and batteries (UN 3480 only) must be shipped at a state of charge (SoC) not exceeding 30% of their rated capacity.

Can a lithium battery be shipped on a passenger aircraft?

In accordance with Special Provision A201, lithium metal cells or batteries that meet the quantity limits of Section II of PI 968 may be shipped on a passenger aircraft under an approval issued by the authority of the State of Origin, State of Destination and State of the Operator.

Can a lithium ion battery be shipped as cargo?

may be shipped as cargo on a passenger aircraft under an approval issued by the authority of the State of Origin, State of Destination and State of the Operator where the lithium ion cells or batteries that meet the quantity limits of Section II of PI 965.

What documents do you need to ship a lithium battery?

Transport Document: For lithium battery shipments, this specifies the UN number, shipping name, hazard class, packing group, and total quantity. Pilot Notification: For shipping lithium batteries by air, pilots must receive written information on the presence and location of lithium batteries.

Is lithium battery shipping dangerous?

While classified as a dangerous good, lithium battery shipping takes very



specific requirements. that you can find inside the Dangerous Goods Regulations. However, if you only ship lithium batteries you can purchase the Lithium Batteries Shipping Regulations as a standalone manual.

Is a lithium battery mark required on a package?

G. Section II in Packing Instructions 967 and 970 states that “the lithium battery mark is not required on consignments of two packages or less where each package contains no more than four cells, or two batteries installed in equipment.” What is the intent of this provision?



Shipping regulations for lithium batteries



How to Ship Lithium, Dry, and Wet, Batteries Internationally

Like lithium batteries, there are strict regulations to follow when shipping wet batteries internationally. An IATA Dangerous Goods label must be attached, along with the correct UN number and shipping name for the particular type of batteries. You must also complete a Dangerous Goods Shipper's Declaration, detailing the contents and potential hazards of the ...

[Lithium Battery Shipping Regulations](#)

Lithium Battery Shipping Regulations, Class 9, UN3480, UN3481, UN3090, UN3091 Total solution for Portable Power since 1995. Products are designed, assembled & Quality Controlled in USA. All products are shipped from California. Call us at 510-525-2328



Shipping and importing devices containing lithium batteries

When shipping or importing lithium batteries internationally by aircraft, Part 12 of the TDG Regulations requires you to comply with the ICAO Technical Instructions and some additional requirements of the TDG Regulations.

UPS Requirements for Lithium Battery Shipments

Shipping lithium batteries with UPS requires adherence to specific guidelines and regulations



to ensure safe and compliant transportation. These regulations are crucial to prevent safety hazards associated with lithium batteries, which are classified as dangerous goods due to their flammability and potential for thermal runaway. This article provides a detailed ...



[How To Ship Batteries , UPS](#)

The training course will guide attendees through general lithium battery requirements as well, as providing step-by-step procedures on how to classify, package and ship lithium batteries alone, in-equipment, or with equipment. This course will also, provide an

[Shipping lithium batteries , United Kingdom](#)

For shipping, all types of lithium batteries are classified as dangerous goods -- with special regulations for packing, labelling, documentation and handling. FedEx adheres to IATA regulations for shipping lithium batteries by air and ADR regulations for shipping lithium batteries by road in Europe.



[Shipping lithium batteries by air](#)

Officially, yes: Lithium-ion batteries are governed under the United Nations regulations UN3480 and UN3481 as Class 9 "miscellaneous dangerous goods." Two dangers stand out: First, improperly packaged lithium ...





Lithium Battery Labels 101: A Beginner's Guide

Lithium Batteries Labeling Requirements The size and material requirements for lithium battery shipping labels are dictated by international regulations, including IATA, IMO, and other regulatory bodies. Here's a breakdown of these requirements: 1. Label Size Size: Labels must be large enough to be clearly visible.



FAQs: Shipping Lithium Batteries Safely & Legally

Effectively, when shipping any lithium batteries you should ensure you adhere to the Dangerous goods regulations. Whilst you can see further specific later in this guide, you should use good quality, sturdy packaging, ensure the devices / batteries cannot move or

[Lithium Batteries Guidance](#)

The following guide provides a summary of marking, labeling and paperwork requirements for shipping lithium batteries via domestic US ground (49 CFR 171-180 in effect 1-Jan-2022), ...



Transport of Lithium Metal and Lithium Ion Batteries

In accordance with Special Provision A201, lithium metal cells or batteries that meet the quantity limits of Section II of PI 968 may be shipped on a passenger aircraft under an approval issued ...



Applicable U.S. Hazardous Materials Regulations and

Lithium ion and lithium metal cells and batteries are listed as Class 9 Miscellaneous hazardous materials in the U.S. and international hazardous materials (dangerous goods) regulations and are subject to specific packaging, marking, labeling, and shipping paper



[Lithium Battery Guide for Shippers , PHMSA](#)

This publication directs readers to scenario-based shipping guides that outline the requirements to ship packages of lithium cells and batteries in various configurations. Each distinct shipping guide in this document refers to the regulatory requirements for a specific lithium cell/battery type, configuration, or size.

[2023 LITHIUM BATTERY SHIPPING GUIDE](#)

requirements for shipping lithium batteries via domestic US ground (49 CFR 171-180 in effect 1-Jan-2023), international air (2023 IATA DGR, 64th Edition) and international vessel (IMDG, 40-20). Refer to the regulatory citations provided, country specific



IATA

The expansion of lithium battery regulations to cover new battery types, including sodium ion batteries, marking a significant shift for 2025. Crucial changes to packing instructions PI 965 and PI 966, including new safety measures for shipping batteries ...



ABCs of mailing

You may only mail lithium batteries: Meeting the conditions outlined in Schedule 2, Special Provision 34 of the Transportation of Dangerous Goods Regulations. Subject to the restrictions set out in the table below Please note: You aren't allowed to ship lithium



IATA

All lithium battery shipments must be clearly labeled and marked appropriately according to IATA regulations. No matter which marks or labels are required, lithium battery labeling and marks must be placed on the packages ...

Key regulations to know for shipping large format lithium batteries

Compliantly shipping lithium-ion batteries of any size means navigating a complex set of regulations. And, generally speaking, the bigger the batteries get, the more challenging they are to transport compliantly. When you're moving large format lithium-ion batteries--like the ones for electric vehicles, solar power storage, data centers and other heavy ...



[2022 LITHIUM BATTERY SHIPPING GUIDE](#)

requirements for shipping lithium batteries via domestic US ground (49 CFR 171-180 in effect 1-Jan-2022), international air (2022 IATA DGR, 63rd Edition) and international vessel (IMDG, 40-20). Refer to the regulatory citations provided, country specific



Interactive Guide to Shipping Lithium Batteries

Interactive Guide to Shipping Lithium Batteries. About this document: This document provides awareness of the International Civil Aviation Organization's (ICAO) 2023-2024 Edition of the ...

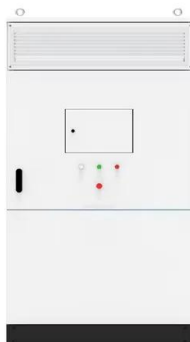


Beginners guide to UN3480, UN3481 and IATA regulations

If you need to ship lithium batteries safely and legally but dont know where to start, this beginners guide to UN3480, UN3481 & IATA There are also different labelling requirements for packaging that is to be used for the purpose of shipping lithium batteries 4

Shipping batteries: Process, Regulations and Best ...

Material Safety Data Sheet (MSDS): Contains comprehensive product information, hazards, and handling guidelines on how to ship batteries. Required for all battery types. Transport Document: For lithium battery ...



A Comprehensive Guide on Lithium-Ion Battery ...

Lithium-Ion battery shipping regulations. When shipping Li-ion batteries via air, sea, rail, or road, compliance with the United Nations Standard 38.3 is a critical requirement. This standard, a part of the UN Manual of Tests ...



[Lithium Batteries Guidance](#)

2024 Lithium Batteries Regulations: Battery Types. Step 1 - What type of battery are you shipping? Tip: Click the below buttons to get more details on each type of batteries. Lithium ion batteries or cells are rechargeable (secondary) lithium ion or lithium polymer



114KWh ESS



Transport of Lithium Metal and Lithium Ion Batteries

The provisions of the DGR with respect to lithium batteries may also be found in the IATA lithium Battery Shipping Regulations (LBSR) 11th Edition. In addition to the content from the DGR, the LBSR also has additional classification flowcharts and detailed

Interactive Guide to Shipping Lithium Batteries

Shipping Lithium Batteries Updated: September 2022 Produced by AOC and ASH.2022-ASH-017 About this document: carrier requirements before shipping. Federal Aviation Administration Battery Types STEP 1 - What Type Of Battery/Cell Are You



[Transporting Lithium Batteries . PHMSA](#)

Failure to comply with the applicable regulations may result in fines or even criminal prosecution. Refer to 49 CFR 173.185 and the resources below for detailed requirements related to shipments of lithium batteries, ...



Shipping Lithium Batteries Internationally , MSC

Goods must be labelled as "Lithium Ion Battery" or "Lithium Metal Battery" and include appropriate shipping marks and hazard labels. Lithium batteries must have the correct ...



LITHIUM BATTERIES (UN3090, UN3091, UN3480, UN3481)

ONLY TRAINED HAZMAT EMPLOYEES MAY SHIP LITHIUM BATTERIES USING THIS GUIDE. Some batteries are regulated when shipped or offered for transportation. If the battery is restricted, then all applicable hazardous materials regulations must be met

Interactive Guide to Shipping Lithium Batteries

Interactive Guide to Shipping Lithium Batteries. About this document: This document provides awareness of the International Civil Aviation Organization's (ICAO) 2021-2022 Edition of the ...



Transporting Batteries

What are the requirements of Special Provision 34? Special Provision 34 exempts a person from the TDG Regulations (except for Parts 1 and 2) if lithium cells or batteries are handled, offered for transport or transported on a road vehicle, railway vehicle or vessel on a domestic voyage and if certain conditions are met.



[How To Ship Batteries , UPS](#)

Note Effective 1 July 2015, all existing customers and new customers who wish to ship lithium metal batteries without equipment (UN3090) via UPS ® Air services must obtain pre-approval from UPS Airlines. This requirement is to ensure that proper training has



[How to safely pack and ship batteries](#)

Lithium batteries (UN3090, UN3091, UN3480, UN3481) Regulatory Changes Please note that regulations applicable to lithium batteries are dynamic. UPS will update this guidance document as quickly as possible. Lithium battery shippers must stay abreast of



Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://www.vdbconstruction.co.za>