

What is a shipping guide for a lithium cell/battery?

Each distinct shipping guide in this document refers to the regulatory requirements for a specific lithium cell/battery type, configuration, or size. DOT is committed to ensuring that information is available in appropriate alternative formats to meet the requirements of persons who have a disability.

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.

What are the requirements for a lithium battery?

The lithium batteries must be of a type that have successfully passed the UN38.3 tests and contain the necessary systems to prevent overcharge and over discharge between the batteries.

Do lithium batteries need to be followed by the shipper?

Yes. All the applicable provisions for lithium batteries will need to be followed by the shipper of such devices, including the limitations for devices that are "active" (on) during transport. The IATA Temperature Control Regulations (TCR) also apply to such shipments. AA.

How are lithium batteries regulated?

Lithium cells and batteries are Class 9 (miscellaneous) hazardous materials. There are eight possible descriptions for lithium cells and batteries, depending on the battery chemistry. These descriptions, or proper shipping names, are found in the Hazardous Materials Table (HMT) in § 172.101 of the HMR.

What is the proper shipping name for lithium ion batteries?

Proper Shipping Name Mark - "Lithium ion batteries packed with equipment" or "Lithium ion batteries contained in equipment", as appropriate. Note: if the package contains both lithium ion batteries packed with and contained in equipment, the proper shipping name is "Lithium Ion Batteries Packed with Equipment".

LITHIUM BATTERY SHIPPING GUIDELINES



Lithium battery shipping laws & regulations. Get your free guide covering the safe ??? and legal ??? shipping of lithium batteries. **DOWNLOAD MY GUIDE.** 01793 754 444. Mon ??? Fri 08.00 ??? 17.00. info@gwp.uk. Email a ???



LITHIUM METAL BATTERIES Section IA This guide is based upon the 2024 IATA Dangerous Goods Regulations and provides a general overview of lithium battery shipping requirements. It does not provide complete shipping information. Consult the packing instruction and all applicable Special Provisions for the product being shipped.



When preparing shipments containing lithium batteries, it is important to ensure the batteries are not in any way defective, damaged, or have the potential to produce a dangerous evolution of heat, fire or short circuit. When packaging lithium batteries for shipment, strong rigid outer packaging must be used.

LITHIUM BATTERY SHIPPING GUIDELINES



Risks when shipping lithium batteries; Regulations to follow for shipping and importing; Accepting packages for transport; Types of lithium batteries and cells; Determining the energy rating and lithium content of batteries; Related links; Risks for shipping lithium batteries. While most lithium batteries are safe, some have overheated and



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 changes. UN38.3 test summary documents must be made available upon request



? 173.185 Lithium cells and batteries. As used in this section, consignment means one or more packages of hazardous materials accepted by an operator from one shipper at one time and at one address, receipted for in one lot and moving to one consignee at one destination address. Equipment means the device or apparatus for which the lithium cells or batteries will ???

LITHIUM BATTERY SHIPPING GUIDELINES



Lithium-Ion battery shipping regulations. When shipping L i-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 and Criteria, applies to both standalone batteries and those integrated into devices.



4 ??? Lithium metal (LiM) ??? are generally non-rechargeable (primary, one-time use). ??? have a longer life than standard alkaline batteries ??? are commonly used in hearing aids, wristwatches, smoke detectors, cameras, key fobs, children's toys, etc. LITHIUM BATTERY TYPES There are many different chemistries of lithium cells and batteries, but for transportation purposes, all lithium ???



damaged batteries. Battery Packaging & Shipping Guidelines for 10 Recycling & Disposal V03. August 2024 It is the shipper's responsibility to comply with regulations related to the transport of lithium batteries and ensure that all the shipping requirements have been fulfilled prior to offering the package for transportation.

LITHIUM BATTERY SHIPPING GUIDELINES



Note. Effective 1 July 2015, all existing customers and new customers who wish to ship lithium metal batteries without equipment (UN3090) via UPS (R) Air services must obtain pre-approval from UPS Airlines. This requirement is to ensure that proper training has occurred and that all applicable safety regulations are properly followed for such shipments.



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



Shipping Lithium Batteries Updated: September 2022 Produced by AOC and ASH.2022-ASH-017. About this document: This document provides awareness of the International Civil Aviation Organization's (ICAO) 2021 -2022 Edition of the Technical Instructions (Doc 9284) requirements for lithium batteries. This document does not replace any regulation

LITHIUM BATTERY SHIPPING GUIDELINES



Shipping Lithium Batteries Updated: April 2024
Produced by AOC and ASH.2022-ASH-017
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 than the regulation. Always check the full



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. The labels must be in the form of a rectangle or a square with a



This guide will help you find rules and requirements for shipping different types of lithium batteries and cells ???including instructions for packaging, documentation and labeling. However, please note that this guide does not apply to lithium battery ???

LITHIUM BATTERY SHIPPING GUIDELINES



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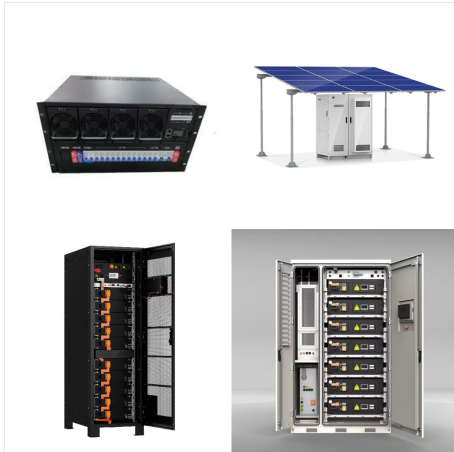


Lithium Battery Shipping Regulations, Class 9, UN3480, UN3481, UN3090, UN3091 : Total solution for Portable Power since 1995. Products are designed, assembled & Quality Controlled in USA. All products are shipped from California. Call us at 510-525-2328. Items in your Cart: 0.



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 with a ???

LITHIUM BATTERY SHIPPING GUIDELINES



Learn how to comply with the ICAO and IATA regulations for the safe transport of lithium metal and lithium ion batteries by air. Find definitions, classification, prohibitions, restrictions, FAQs ???



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-ion batteries can ???



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 cells or batteries. These are very commonly found in portable consumer

LITHIUM BATTERY SHIPPING GUIDELINES



The provisions of the DGR with respect to lithium batteries may also be found in the IATA lithium Battery Shipping Guidelines (LBSG) 6th Edition. In addition to the content from the DGR, the LBSG also has additional classification flowcharts and detailed packing and documentation examples for lithium

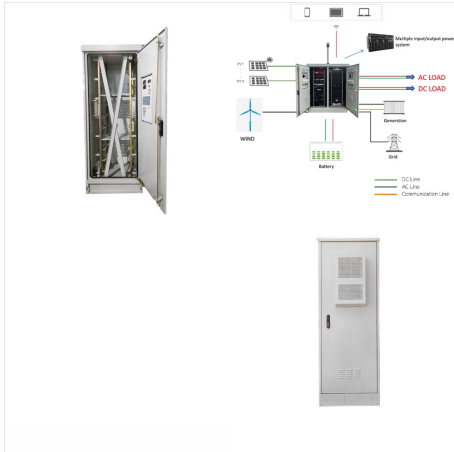


LITHIUM BATTERY SHIPPING GUIDE . JANUARY 1, 2023 . The following guide provides a summary of marking, labeling and paperwork requirements for shipping lithium batteries via domestic US ground (49 CFR 171-180 in effect 1-Jan-2023), international air (2023 IATA DGR, 64th Edition) and international



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 ???

LITHIUM BATTERY SHIPPING GUIDELINES



Preparation is a key component in understanding the terms of the Regulations. IATA has created a training course on Shipping Lithium Batteries by Air that covers all aspects of the identification, packing, marking and labeling, as well as the documentation requirements on ???



The provisions of the DGR with respect to lithium batteries may also be found in the IATA lithium Battery Shipping Guidelines (LBSG) 8. th. Edition. In addition to the content from the DGR, the LBSG also has additional classification flowcharts and detailed packing and documentation examples for lithium batteries.



lithium battery shipping processes as soon as possible to comply with the regulation by the published transition end date of March 31, 2022. Q: I'm not sure what types of lithium battery shipments an air carrier allows. Who can I talk ??? FedEx ???

LITHIUM BATTERY SHIPPING GUIDELINES



? Compliance with local and international regulations is necessary when shipping lithium-ion batteries. Regulations may vary based on the mode of transport???whether by air, land, or sea. Organizations like IATA and the U.S. Department of Transportation (DOT) set forth guidelines for safely transporting lithium batteries.

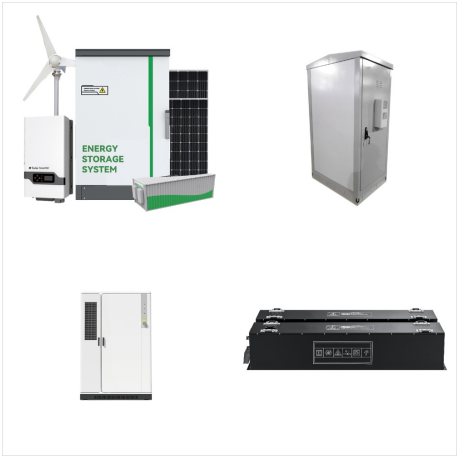


Other Guidelines on Shipping & Packaging Cremated Remains. Shipping Lithium Batteries. Open or Close content below Live Animals. Except in limited circumstances, pets and warm-blooded animals may not go in the mail. Shipments of live animals, including poultry, reptiles, and bees, have very specific packaging requirements.



Regulations for shipping lithium batteries by air are in place to protect everyone who would come in contact with a lithium battery shipment while it is being transported as air cargo; with training being required for everyone in ???

LITHIUM BATTERY SHIPPING GUIDELINES



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-ion batteries can lead to short circuits if they come into contact with each other or with other conductive surfaces. Second, thermal runaway can occur if improperly ???



Lithium Batteries ??? General Provisions. As set forth below DHL eCommerce accepts Lithium Metal (Primary) and Lithium -ion (Secondary) batteries for shipping that are 1) contained in equipment, 2) packed with equipment or 3) as stand- alone battery shipments. Though mailable through DHL eCommerce's Domestic "Ground" service, additional



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LITHIUM BATTERY SHIPPING GUIDELINES



For companies that only ship lithium batteries, or products packaged with or containing lithium batteries it is more appropriate to take the Shipping Lithium Batteries by Air course to get a comprehensive look at how to ship lithium batteries and how to properly meet the requirements set out in the IATA Dangerous Goods Regulations .