



# How to label lithium batteries



## Overview

There are many rules and regulations in place when it comes to applying battery labels to packages containing lithium batteries for transport. So why do you have to jump through hoops when shipping lithium batteries?

Like we mentioned above, they pose very real safety issues. It's why. First things first: you need to know which kind of lithium battery you are shipping. There are 2 classification types of lithium batteries: lithium metal and lithium ion. And depending on the type will determine the specifications and. Packing Instructions (PI) are just another piece of the battery label puzzle. They were created and implemented by the International Air Transport Association (IATA). Specifically, for. Now that you know the different lithium batteries types, you'll have a better idea of which labels your package will need. So how do you illustrate the battery material being shipped?

There's a system in place for this exact purpose: 1.



## Article Content

### Shipping Lithium Batteries | Essential Guidelines

Guide to Shipping Lithium Batteries | How to Safely Pack and Label Batteries. When it comes to shipping, lithium batteries require special handling and preparations. If not done correctly, shippers may experience: Cargo damage from battery fires which can spread throughout the plane or shipping warehouse; Fires and explosions from thermal runaway.

### Shipping Lithium Batteries | Essential Guidelines

Shipping lithium batteries involves navigating complex safety protocols due to their classification as dangerous goods. Understanding how to properly package, label, and ...

### How to Ship Lithium Batteries: A Comprehensive Guide

Part 2. Lithium battery shipping label and documentation. 1. Lithium Battery Shipping Label "Lithium Battery" Label: Indicating the presence of lithium batteries within the package. Pictograms and Hazard Labels: These ...

### Sending lithium batteries with eBay Delivery - Help ...

Accepted label. UN 3481: Lithium ion batteries contained in equipment or lithium ion batteries packed with equipment. It is mandatory to identify the parcel with the lithium battery label. The label must be square. Minimum measuring ...

### A Comprehensive Guide to Lithium Battery Labels

Learn to read lithium battery labels. Understand key details like voltage, capacity, and safety warnings for safe and efficient battery use.

### How to ship lithium batteries | TNT Express

5 kg net Lithium Battery Label None Lithium Metal Batteries in compliance with Section II of PI 970 LB YES  $\leq 1$  gr of lithium per cell  $\leq 2$  gr of lithium per battery Packages containing: • Only button cell batteries contained in equipment (incl. Circuit boards)

### Your Guide to Battery Warning Label Compliance

Lithium battery labels: For lithium-ion and lithium-metal batteries, indicating specific hazards and handling precautions. Cargo aircraft only labels: For batteries restricted to cargo planes. Handling labels: With detailed ...

### FAQs: Shipping Lithium Batteries Safely

Each package must be labelled with a completed lithium battery marking. This includes: UN Number Telephone number where more information on the shipment ...

## Tips For Proper Packaging and Labeling of Lithium-Ion Batteries

Lithium-ion batteries must be packaged in an inner packaging that surrounds them, like a fiberboard box, to prevent short circuits. Opt for rigid outer packaging like a metal ...

## How to Package Lithium Batteries for Shipping

Proper labeling and documentation are vital components of shipping lithium batteries. Failure to properly label packages can lead to delays, penalties, or rejection by carriers. Proper Labels. Each package containing lithium batteries must be properly labeled according to international regulations. Key labeling requirements include:

## How to Read Battery Labels Effectively for Better Choices

Battery labels contain crucial information that can guide us in selecting the right battery based on our specific needs. In this article, we will explore the key elements found on battery labels, ... Lithium-Ion Batteries: Increasingly popular in portable electronics and electric vehicles due to their high energy density and lightweight design.

## Frequently Asked Questions About ...

The Lithium Battery label is required for consignments which have a larger number, or more powerful, batteries. The Lithium Battery label is also specified in the ...

## All About Lithium Battery Labels

They can help you and transport personnel identify battery types, potential hazards, and necessary safety measures. This article will deeply analyze the components of ...

## USPS Packaging Instruction 9D | Postal Explorer

USPS Packaging Instruction 9D Lithium Metal and Lithium-ion Cells and Batteries — Domestic. Except according to 349.21, lithium metal (nonrechargeable) cells and batteries and lithium-ion (rechargeable) cells and batteries are mailable in limited quantities domestically via air or surface transportation when they are installed in or packed with the equipment they are intended to ...

## Shipping lithium batteries | United Kingdom

As dangerous goods, lithium batteries must be correctly identified and classified. In some cases, they must be packaged, marked, labelled and accompanied by a "Shipper"'s Declaration for ...

## How to safely pack and ship batteries

Every shipper of lithium batteries via air transport has the responsibility to comply with IATA 3.9.2.6.1(g) requirements as of 01 January 2020 . ADR regulations have incorporated this requirement for ground transport (01 July 2019) and it is expected that other

## Sending Batteries Safely by Courier | DHL eCommerce UK

A lot of everyday items are battery-powered, from watches and toys to laptops and phones. But what are the rules when you want to send one of these items and how exactly do you se

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

## How to label packages containing lithium ion batteries

There are two standards UN 3090 (Lithium metal or lithium alloy battery or cell) in compliance with IATA, UN 3081 (Lithium metal or alloy batteries contained or packed in equipment), UN 3480 (Lithium-ion batteries - including lithium ion ...

## UPS Ion Battery Labels: Essential Guidelines for Safe Shipping of ...

When preparing lithium-ion batteries for shipment, shippers should adhere to guidelines set by UPS. These guidelines include securely packaging the batteries and using the correct label on each package. Notably, lithium-ion batteries must be transported in approved packaging to reduce the risk of damage.

## Lithium Battery Labels 101: A Beginner's ...

The Common Types of Lithium Battery Labels. Lithium battery shipping labels UN3080, UN3081, UN3490, and UN3491 are used to identify and properly handle packages ...

## What Should Be Included on Lithium Battery Labels?

There are also a series of other lithium battery labels that will need to be present on the outside of any package containing these types of batteries. You're also going to need to see to it that lithium battery labels are ...

## How to Ship Lithium Ion Batteries

Learn how to ship lithium ion batteries on shippingschool . Lithium ion batteries are categorized in Class 9 of Hazardous Materials, so you'll need to follow ...

## Lithium Battery International Shipping: Requirement ...

1. Any lithium battery must pass the UN38.3 test before shipping internationally. If the lithium battery does not contain in the device, and each package involves more than 24 battery cells or 12 batteries, it must also fit a 1.2-meter crash ...

#### How To Read Battery Labels Like a Pro

Components of Car Battery Labels. When I look at a car battery label, several key components catch my eye. Here's what I focus on: 1. Battery Type. The first thing to notice is the type of battery. Most car batteries are ...

#### Lithium-Ion Battery Label Requirements for Safe Transport

Every lithium-ion battery must be assigned a specific UN number and a proper shipping name. The most common UN numbers include UN3480 for standalone lithium-ion batteries and ...

#### Labeling Your Laptop For Shipping: Do I Have To Indicate Lithium ...

It also holds the same safety significance as the UN3480 label. "Lithium Battery" Mark: The "Lithium Battery" mark is necessary when packages contain lithium batteries. This mark provides a clear indication of the contents and alerts carriers and handlers to exercise caution while handling these packages. It should be affixed to the ...

#### Consumer products: recycling batteries and electrical ...

(The terminals of lithium batteries should ideally be taped up first, to prevent any risk of fire.) The one exception is where the battery is part of the device and cannot be taken out, in items ...

#### Shipping lithium batteries - BatteryGuy ...

Labeling lithium batteries for ground/sea transport. Lithium batteries are classified internationally as a class 9 hazardous material and so require the Class 9 label and the appropriate Lithium-ion Battery Handling ...

#### A Comprehensive Guide on Lithium-Ion ...

These markings include the UN identification number, which varies depending on the type of lithium batteries being shipped: UN3480: Lithium-ion batteries shipped by ...

#### ABCs of mailing

Label Domestic Air 1 Domestic Surface 1. U.S. Parcel Services. Installed in equipment (Up to 4 cells or 2 batteries) UN3481 - Lithium ion . UN3091 - Lithium metal : No 4: Yes: Yes: Yes: Installed in equipment (More than 4 cells or 2 batteries) UN3481 - Lithium ion . UN3091 - Lithium metal . Yes (see Lithium battery mark) Not accepted 2: Yes 3 ...

#### How to Comply With Battery Labeling Requirements

Understanding the key elements of battery labels can greatly enhance safety measures for lithium-ion batteries. As we explore this topic, let's guarantee you're aware of the important information that should be included on your battery labels.

Shipping lithium batteries by mail: 3 ...

Here's another way to think of it: If the batteries you want to mail require a Class 9 hazard label, per 49 CFR 173.185(c) requirements, ... For more details about shipping ...

How to Read Battery Specifications Effectively?

Lithium-ion batteries are becoming increasingly popular due to their higher energy density, longer lifespan, and lower maintenance requirements. Nickel-Cadmium Batteries. NiCad batteries are known for their durability but have environmental concerns due to cadmium toxicity. Decoding Labels: What to Look For. When reading battery labels, pay ...

How to Pack & Ship Lithium-Ion Batteries ...

Requirements of the label needed to ship lithium-ion batteries. The proper labels on your lithium-ion cells indicate the hazardous content being shipped. Here is crucial material you need to ...

Lithium Battery Shipping Sticker Guide

A lithium battery label or sticker is a mandatory requirement for all lithium batteries being transported. This label or sticker must clearly indicate that the package contains lithium batteries. It should be placed on a visible and accessible location on the outer packaging. 2. Lithium Battery Transport Warning Label

## Contact Us

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