

Can a lithium battery be shipped?

Lithium batteries that power up scooters, hoover boards, electric skateboards, and e-bikes exceeding 100 Wh (Watt hours) cannot be shipped. Devices such as cellphones, watches, and vape with a single cell over 20Wh per cell cannot be mailed. Multiple cell batteries inside the housing or casing exceeding 100Wh for each battery are nonmailable.

How do I ship a lithium battery?

USPS has official instructions and guidelines for shipping batteries. ShipSaving helps you to highlight the following information: All packages containing lithium metal or lithium-ion batteries that can be mailed must be of sufficient size, sealed, and rigid. This ensures that the lithium battery mark can be affixed to the address without folding.

Do I need a specific lithium battery Shipping Class?

FedEx Ground strongly recommends that anyone shipping lithium batteries take a specific lithium battery shipping class in order to better understand these complex regulations and meet DOT/ICAO/IATA/IMDG/USPS requirements.

Can a battery be shipped via USPS?

USPS battery shipping allows you to ship it under certain conditions, but there are still some types of batteries that cannot be shipped. The following introduces nonmailable and mailable situations: USPS has strict rules for shipping batteries, and one of the most critical factors is Watt hours (Wh).

Can I ship a recalled lithium battery?

Don't forget the new lithium battery marks that became mandatory this year! However--you knew that was coming, right?-- you cannot ship fully regulated or the damaged or recalled versions of these batteries via U.S. mail.

Can I ship a lithium battery in a padded bag?

International packaging requirements require solid, rigid packaging (to prevent crushing or exposure) that's adequately sized to see the lithium battery mark (plus applicable telephone number) without folding.

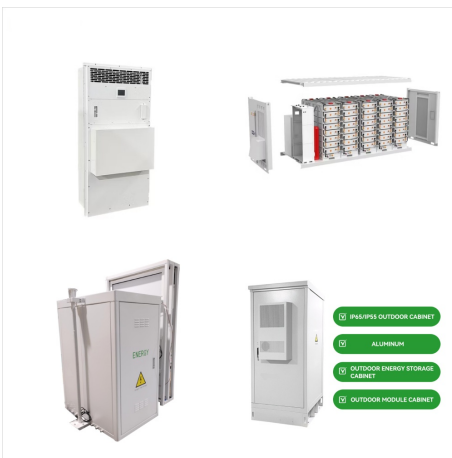
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International shipments in padded and poly bags are only allowed with button cell batteries under a very specific set of circumstances.



Potential for thermal runaway: If damaged or short-circuited, lithium batteries can experience rapid temperature increase, leading to fire or explosion. Electrical hazards: They can produce high currents if short-circuited, posing electrical shock risks. Chemical hazards: The electrolytes in lithium batteries are often flammable and can be

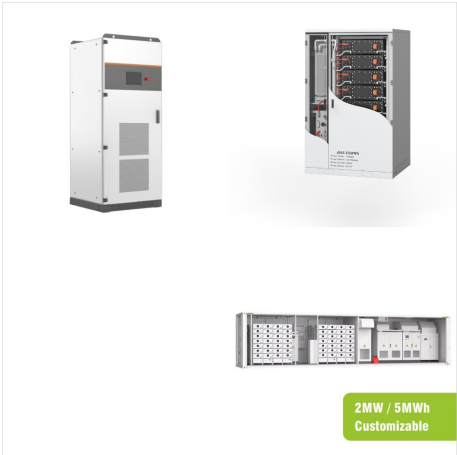


A lithium battery safety testing information should be requested before any battery is shipped. Overview & Training. Regulations differ when shipping by air (this includes FedEx Ground ???)



Lithium cells and batteries can present both chemical (e.g., corrosive or flammable electrolytes) and electrical hazards. Unlike standard alkaline batteries, most lithium batteries testing requirements for lithium cells or batteries shipped for disposal or recycling and for low production runs and prototype lithium cells or batteries.

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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 batteries to any destination outside of Canada and the U.S.



A telephone number is no longer required on the lithium battery mark. Lithium battery marks with a phone number may continue to be applied until December 31, 2026. NOTE: Where a package contains a combination of lithium batteries contained in equipment and lithium batteries packed with equipment that meet the limits for



"Lithium ion batteries, in compliance with Section II of PI967"on AWB. A telephone number is no longer required on the lithium battery mark. Lithium battery marks with a phone number may continue to be applied until December 31, 2026. NOTE: the requirement to apply lithium battery mark does not apply to: ??? packages containing only button cell

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Lithium batteries can still be shipped by air despite the restrictions set in place by the DOT. However, shipping these batteries via air comes with stipulations to reduce the risk to people's health, safety and property. Independent lithium batteries not installed in a device or packed with their related device can't be shipped as cargo on



But there's good news: Lithium-ion batteries can be shipped safely by air if shippers take proper precautions. As with all hazardous goods, safely shipping lithium-ion batteries by air requires having personnel with the appropriate expertise and training and complying with strict labeling and packaging requirements.



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For example, via air, lithium metal and lithium-ion batteries are prohibited from being shipped as standalone items on passenger aircraft although they can be shipped on cargo aircraft when packed in accordance with Packing Instruction 965.



Shipping lithium batteries internationally can be a complex and confusing process. With ever-changing regulations and safety concerns, it's important to understand the guidelines and best practices for transporting these power-packed devices. Whether you're an individual looking to send a battery-powered gadget as a gift or a business shipping products globally, ???

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All pre-owned, damaged, or defective electronic devices containing or packaged with lithium batteries; 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



There are 2 kinds of packaging that need to be considered for shipping lithium batteries: inner packaging and outer packaging. Inner Packaging. Inner packaging helps prevent batteries from shifting and moving during transportation. Containers can be handled harshly as they move through the shipping process and from one carrier to another.



FedEx Express customers can now select up to four different types of lithium batteries Section II (UN3481 and UN3091) descriptions in Shiptheory: ? Lithium Ion Batteries: Separate (UN 3481 ??? Packing Instruction 966) ? Lithium Ion Batteries: Contained (UN 3481 ??? Packing Instruction 967)

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Thermal management: Lithium-ion batteries can generate heat during operation, and this heat can be a safety concern, especially in enclosed spaces like shipping containers. Electrical characteristics : Shipping involves managing electrical properties like voltage and current, which can impact safety if not controlled properly.



The Postal Service allows limited quantities of lithium batteries to be mailed domestically (within the U.S.) as long as certain conditions are met. Here are the key rules and restrictions to be aware of: Installed batteries only: Lithium batteries can only be shipped when installed in the device they are intended to operate. For toys, this



This guide is based upon the 2021 "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 ???

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If you want to learn more about how to prepare and package your lithium battery shipments, you can visit FedEx's lithium battery shipping page, contact FedEx Express Customer Services and ask for the Dangerous Goods Specialist and read more on the IATA website.

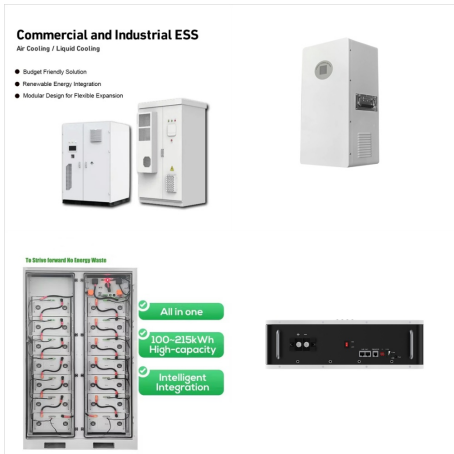


Effectively, when shipping any lithium batteries you should ensure you adhere to the Dangerous goods regulations. Whilst you can see further specific later in this guide, you should use good quality, sturdy packaging, ensure the devices / batteries cannot move or become "activated" during transit, ensure the appropriate labelling in place (depending on how many ???)



You can also read our quick reference guide for sending lithium batteries (PDF 495kB). Sending lithium batteries overseas. Shipments of electronic items containing lithium cells and batteries are prohibited when sent using the International Courier product. You cannot send lithium batteries to Bhutan, Germany, Italy, Laos, Macao or Thailand. If

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Alternatives to Shipping Lithium Batteries by Air. Efficient transportation of goods is crucial in today's fast-paced world, but air transport may not always be the best choice for shipping lithium batteries. Fortunately, there are safer alternatives available that ensure both reliability and timely delivery.



Lithium batteries are classed as "Dangerous Goods", which means there are certain limitations on how they can be shipped. A charged lithium battery can, under very particular circumstances, catch fire. This means that if you ship charged lithium batteries in bulk, there's an increased risk of fire on the vehicle that is shipping them.

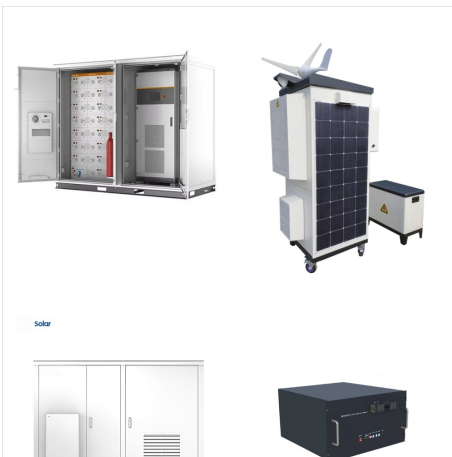


As noted above, fully regulated lithium-ion batteries can be compliantly shipped via cargo aircraft???but only when they weigh 35 kg or less. Lithium-ion batteries weighing more than 35 kg cannot be shipped by air without a competent authority approval (similar to a special permit) from the country with jurisdiction over the shipment as well as

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regulations applicable to lithium batteries change often, both internationally and domestically in the United States. About lithium batteries Because lithium batteries are designed to provide high levels of power, the electrical energy in these batteries is significant, meaning that such batteries can sometimes generate a great



(See BU-704a: Shipping Lithium-based Batteries by Air) All lithium batteries are considered to be dangerous goods and transporting them requires compliance with Class 9 directives. However, exemptions are made when shipping these batteries in small quantities. Personnel transporting lithium batteries commercially must be trained.



Yes, lithium batteries can be shipped by mail, but there are certain restrictions that must be followed in order to ensure the safe delivery of the batteries. Any batteries that are shipped must be protected from short-circuiting and must be properly packaged to avoid damage. The package must be labeled with the proper shipping class and must

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The Future of Lithium Battery Shipping. As lithium battery use continues to grow, shipping regulations will likely evolve as well. The IATA updates its lithium battery shipping guidelines annually, with the latest version effective from January 1st, 2021.⁹. Potential future developments include: Stricter packaging and labeling requirements



Lithium metal and lithium ion cells and batteries shipped by themselves (meaning alone and not installed in a device or packed with the device they will power) are forbidden to be shipped as cargo on a passenger ???



USPS Packaging Instruction 9E Lithium Metal and Lithium-ion Cells and Batteries ??? International and APO/FPO/DPO. Lithium metal (non-rechargeable) cells and batteries and lithium-ion (rechargeable) cells and batteries are mailable in limited quantities internationally or to and from APO, FPO, or DPO locations only when they are properly installed in the equipment they operate.

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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 vessel (IMDG, 40-20).



and ship batteries, it does not replace the applicable regulations. For more information, consult the U.S. DOT's Hazardous Materials Regulations (49 CFR). 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