



# Shipping lithium polymer batteries

Can I ship a lithium battery cross-border?

There are regulations attached to the cross-border shipping of batteries to ensure they travel safely. These regulations vary depending on the type of batteries. Lithium batteries, for example, are classified as Dangerous Goods, so not all types of lithium batteries are accepted by DHL Express which you can check here.

Can You ship lithium batteries by air?

In the United States, failure to comply with these regulations can result in a civil penalty of up to \$27,000 per offence (LBSR 1.3). Shipping lithium batteries by air is possible, but it is crucial to note these are dangerous goods and the applicable regulations must be complied with to ensure the safety of all personnel, aircraft, and passengers.

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 damaged lithium battery be transported on a plane?

Damaged lithium batteries are forbidden from air transport. See page 06 of this guide for information on damaged batteries. These shipments are forbidden to be transported as cargo on passenger aircraft. 2 batteries. n/a. Only one package of lithium cells and batteries may be placed in an overpack.

Can a lithium battery be shipped with other hazardous materials?

Lithium metal cells and batteries must not be packed in the same outer packaging with other hazardous materials. A shipment that exceeds the quantity limitations in the table, the overpack limit, or consignment limit, must be shipped as a fully regulated lithium metal battery (See Guide 05 for provisions).

What types of batteries should I pack and ship?

A UPS guide to help you safely pack and ship many kinds of batteries including lithium metal, damaged or defective batteries and alkaline or certain nonspillable lead-acid batteries.

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.

The trusty lithium-ion battery is the old industry workhorse. The development of the technology began all the way back in 1912, but it didn't gain popularity until its adoption by Sony in 1991.

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



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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 ...

Shipped out of USA. When shipping papers (Bill of lading forms, Dangerous Goods Declaration forms) are required, all lithium battery shipments to, from or through the United States must have written emergency response information accompany the shipment.

For shipping lithium batteries with USPS overseas, you can ship a maximum of 4 cells or 2 batteries that are installed in the new or certified refurbished equipment or device it operates, without any lithium battery markings. However, individual batteries are prohibited from USPS international shipping.

Advantages and Disadvantages of Lithium Polymer Batteries. Lithium polymer batteries come with a set of benefits that make them highly appealing for many applications. One of their most significant advantages is the form factor. These batteries are lightweight and can be made into almost any shape, providing flexibility for device design.

outline the applicable requirements that a shipper must follow to ship packages of lithium cells and batteries in various configurations. Each distinct shipping guide in this document refers to the ...

Discover the best practices for shipping rechargeable batteries safely and securely. Learn about proper packing, regulations to consider and couriers to use. ... Lithium-Polymer (LiPo) Batteries: LiPo batteries are similar to Li-ion batteries but have a flexible and thin design. They are often used in devices with specific form factors or space ...

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 ...

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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Lithium Battery Packaging and Shipping ...

Lithium ion batteries are rechargeable, do not contain metallic lithium, and have a high energy density. Lithium polymer batteries are considered a type of lithium ion battery. Lithium ion batteries are used in consumer goods such as cell phones, electric vehicles, laptop computers, power tools, drones, etc. ... To ship batteries within Canada ...

When shipping lithium ion batteries, it is essential to follow the proper guidelines and regulations to ensure safety during transportation. In this article, LiPol will discuss the proper shipping name and UN number required for packages of lithium ion batteries shipped separately under IATA Packing Instruction 965 Section IA.

Note. Effective 1 July 2015, all existing customers and new customers who wish to ship lithium metal batteries without equipment (UN3090) via UPS &#174; Air services must obtain pre-approval from UPS Airlines. This requirement is to ensure that proper training has taken place and that all applicable safety regulations are properly followed for such shipments.

Lithium polymer batteries (also called Li-polymer or Li-po batteries) are another type of rechargeable battery, and are more compact compared to lithium-ion batteries. They're used in mobile devices where space is limited, such as electronic cigarettes, wireless PC peripherals, slim laptops, smart wearables, power banks, and more.

o Revision to the lithium battery mark. 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. o Packing Instructions 965 and 968 - removal of Section II o Packing Instructions 966 and 969 - clarification on protection against ...

category of lithium-ion batteries are lithium polymer batteries. Lithium-ion batteries are generally used to power devices such as mobile telephones, laptop computers, tablets, power tools and e- ... by the proper shipping name shown in Table 4.2, e.g. ...

A lithium ion battery: is rechargeable; doesn't contain metallic lithium; features high energy density; A lithium polymer battery is considered a type of lithium ion battery. Lithium ion batteries are used in consumer products such as cell phones, electric vehicles, laptop computers, power tools and tablets.

While shipping lithium polymer batteries presents unique challenges, partnering with a seasoned provider can simplify the process significantly. By understanding the specific requirements and leveraging the expertise of logistics professionals, you can mitigate risks and ensure a smooth and successful shipping experience. ...

Since 2016, when the International Civil Aviation Organization (ICAO) implemented drastically more restrictive global regulations on shipping lithium batteries by air, shippers have adapted and done their best to



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comply. Meanwhile, regulatory agencies continue to update regulation in an effort to keep lithium battery transport by air as safe as possible. The most ...

How to Ship. Discover all TNT's solutions to ship your parcel in the easiest way Get started. Services; Choose the speed you need; Shipping Tools ... (Included lithium polymer batteries) Rechargeable batteries commonly used in consumer electronics such as: Laptops, Mobile phones, MP3 players, Portable DVD players, GPS/navigation systems ...

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