

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](#).

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".

Can You ship a battery across a country?

Many electronic products and devices contain batteries - in particular, lithium batteries, which are commonly found in laptops, smartphones, tablets, medical devices and power tools. 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.

How do I ship lithium batteries by air?

A table in the Lithium Battery Shipping Regulations manual gives the precise weight of batteries per package on both cargo and passenger aircraft. All marks and labels must be clearly visible on the exterior of all packages and overpacks. Proper marking and labeling is required when shipping lithium batteries by air.

Do I need a specific lithium battery Shipping Class?

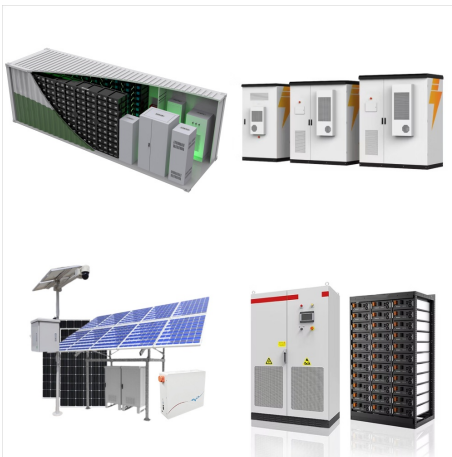
FedEx Ground strongly recommends that anyone shipping lithium batteries take a specific lithium battery shipping class in order to better understand these complex regulations and meet DOT/ICAO/IATA/IMDG/USPS requirements.

What types of batteries should I pack and ship?

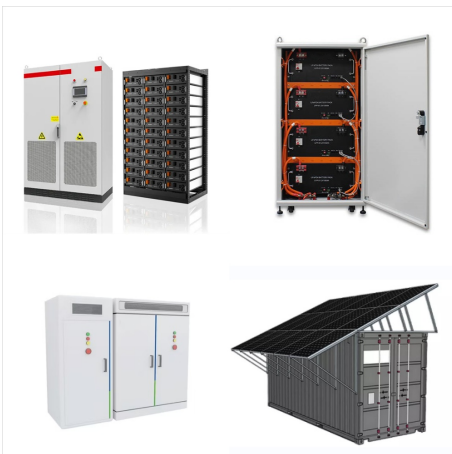
A UPS guide to help you safely pack and ship many kinds of batteries including lithium metal, damaged or defective batteries and alkaline or certain nonspillable lead-acid batteries.



This compliance resource was prepared to assist shippers to safely package lithium cells and batteries for transport by all modes according to the latest (December 27, 2022; HM-260B) regulatory requirements. This publication directs readers to scenario-based shipping guides that outline the requirements to ship packages of lithium cells and



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 certain regulations if you want to ship them domestically and internationally. Read more about sending lithium ion batteries at shippingschool !



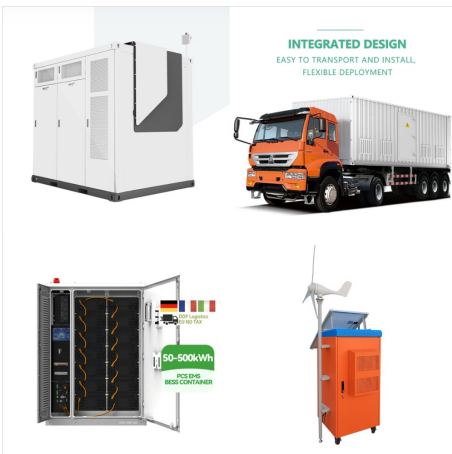
Shipping Lithium Batteries. Open or Close content below Live Animals. Except in limited circumstances, pets and warm-blooded animals may not go in the mail. Shipments of live animals, including poultry, reptiles, and bees, have very specific packaging requirements.



The purpose of this document is to provide guidance for complying with provisions applicable to the transport by air of lithium batteries as set out in the IATA Dangerous Goods Regulations. Copyright (C) SKYbrary Aviation Safety, 2021-2024. All rights reserved.



Learn the differences between lithium metal and lithium-ion batteries, the regulations and requirements for shipping them by air, and the safety precautions to follow. Find out how to identify, package, mark, label, ???



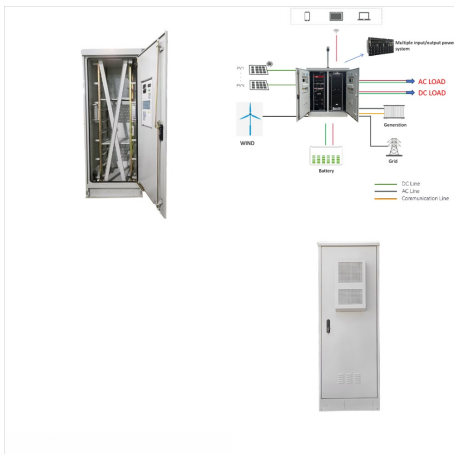
LITHIUM ION BATTERY SHIPMENTS Figure 1 Is my Lithium Ion Battery shipment* fully regulated so that it requires UPS Dangerous Goods service? NO NO NO NO NO YES YES YES YES YES YES Are any lithium ion batteries in your shipment > 100Wh or lithium-ion cells > 20Wh? A UPS Dangerous Goods contract will be required.** UN spec packaging, class 9



LITHIUM ION BATTERIES (including lithium ion polymer batteries) 9: UN3481: To ship batteries within Canada by air, Part 12 of the TDG Regulations offers these two options: Comply with the most recent version of the ICAO Technical Instructions and meet additional requirements under the TDG Regulations; or.



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



LITHIUM BATTERY SHIPPING GUIDE . JANUARY 14, 2020 . The following guide provides a summary of marking, labeling and paperwork ??? LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT, UN 3481 ??? GROUND & VESSEL TRANSPORT ??? BATTERY SIZE: SMALL (UN Tested) ??? DECLARATION/SHIPPING PAPER: NO



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 ???



Why Shipping Lithium Batteries Carries a Higher Risk. Lithium-ion batteries pose a clear fire risk, even when not in use in equipment. Any nearby metallic surface could complete the circuit between exposed terminals. Such contact risks can lead to a fire, but lithium-ion batteries can also be punctured, releasing potent electrolytes from the cell.



Lithium battery shipping information for air transport referenced in this guide (including pictured labels) are based on the 2022 International Air Transport Association (IATA) Dangerous Goods Regulations (DGR) 63. rd. Edition section 7.3.18.2, 7.4.2 and 7.1.C. Lithium battery shipping information for ocean transport referenced in this guide



Lithium-ion (rechargeable) battery packed with equipment, UN3481; Lithium metal (or lithium alloy) battery contained in equipment, UN3091; For more details about shipping lithium batteries by mail, visit our page on USPS Publication 52: What You Need to Know Before Mailing Lithium Batteries, or call us at 800.621.5808.



To assist shippers of lithium batteries, including equipment with installed lithium batteries, a requirement came into force with effect January 1, 2019 that manufacturers and subsequent distributors of lithium cells and ???



The Department of Transportation (DOT) regulates the transport of lithium-ion batteries, including testing, documentation, packaging and hazard communication requirements. Shipping lithium batteries off for disposal or to be recycled is a bit easier than it normally would be for regular shipments of lithium batteries. There are two



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 ion batteries packed by themselves (Packing Instruction 965) (not contained in or packed with equipment): by the proper shipping name shown in Table 4.2, e.g. for "Fire extinguishers", the net quantity is the weight of the fire extinguisher. For articles packed with equipment or contained in equipment, the net



On top of that, you could also end up paying regulatory fines or losing shipping privileges if battery shipping regulations are violated. Due to such risks, lithium batteries are classified as Class 9 dangerous goods, while other types of batteries can fall into other classes of dangerous goods. This means they are subject to regulations on packaging, labelling, quantity ???

SHIPPING LITHIUM ION BATTERIES



Shipping lithium-ion battery incidents on airplanes and airports have steadily increased in recent years, raising safety concerns. The Federal Aviation Administration (FAA) reports a significant rise in incidents involving shipping lithium batteries, which can overheat and cause smoke, fire, or extreme heat.



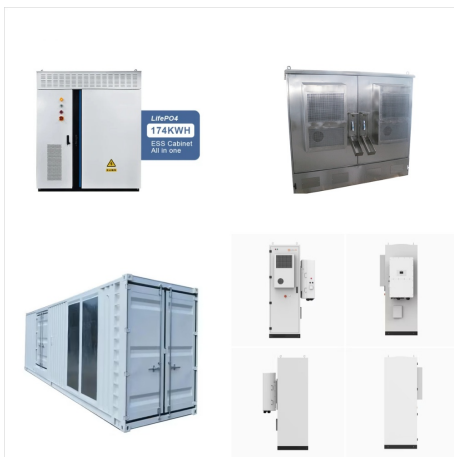
requirements for shipping lithium batteries via domestic US ground (49 CFR 171-180 in effect 1-Jan-2023), international air (2023 IATA DGR, Lithium Ion Batteries Packed with Equipment", as applicable. There is no battery size designation (small, ???



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. Here is an example of a rigid container: For shipping lithium batteries with USPS overseas,



This document provides awareness of the International Civil Aviation Organization's (ICAO) 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.



Lithium metal batteries, typically found in watches and cameras, are generally non-rechargeable, disposable lithium batteries which contain metallic lithium and are also called primary lithium batteries.

2. Lithium ion batteries, typically found in mobile phones or laptops, are generally rechargeable lithium batteries which contain lithium



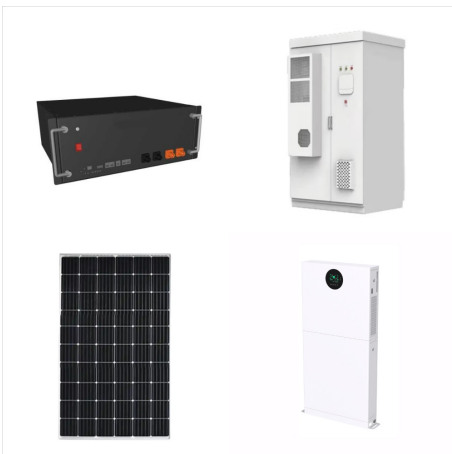
What to Know About Shipping Lithium Batteries by Air. While classified as a dangerous good, lithium battery shipping takes very specific requirements that you can find inside the Dangerous Goods Regulations. However, if you only ship lithium batteries you can purchase the Lithium Batteries Shipping Regulations as a standalone manual. Knowing



Lithium batteries are defined in international regulations and by many transport companies as a hazardous material (HazMat). This applies to both Lithium Metal batteries (disposable) and Lithium Ion batteries (rechargeable), even though the latter do not actually contain lithium. The restrictions apply not strictly because of the lithium content, but because ???



Batteries up to 2g UN 3090, Lithium Metal Batteries ???P.I. 968 Section IB LITHIUMMETALBY AIR BATTERIES/CELLS ONLY ???[FX-04 e] FedEx Express will not accept shipments that meet the condition of Special Provision A183, unless specifically pre-approved. ???[FX-05 b] All lithium batteries (Section I/IA/IB and Section II) in all packing



In summary, when shipping batteries for air transportation, shippers should always consult their air carrier or ICAO/IATA publications for ??? UN3481, Lithium ion batteries contained in equipment including lithium ion polymer batteries ??? Vehicles???Package or shipment contains a vehicle powered by lithium batteries: ??? for its operation.