

# **International flight lithium battery**





## Overview

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You can carry up to two lithium batteries rated 100-160Wh or 2-8g of lithium content. You can bring up to two non-spillable batteries in your carry-on bags. These include gel cell, sealed lead acid and valve-regulated lead acid batteries. They must be 12V or 100Wh or under. You cannot fly with wet-cell spillable batteries, such as car batteries. Can you take a lithium ion battery on a plane?

Spare lithium batteries must be carried in carry-on baggage only and must be individually protected so as to prevent short circuits. Power banks are considered as spare lithium batteries and must be completely switched off in flight. Lithium ion batteries: the Watt-hour rating must not exceed 100 Wh.

What batteries are allowed in carry-on luggage?

Batteries allowed in carry-on baggage include: Dry cell rechargeable batteries such as Nickel Metal Hydride (NiMH) and Nickel Cadmium (NiCad). For rechargeable lithium ion batteries; see next paragraph. Lithium ion batteries (a.k.a.: rechargeable lithium, lithium polymer, LIPO, secondary lithium).

Can a lithium battery be carried by air?

You can prepare them for travel by: Whether a lithium battery can be carried by air or not depends on its configuration and its Watt-hour (Wh) rating (for rechargeable lithium-ion/polymer batteries) or Lithium Content (LC) (for non-rechargeable lithium metal batteries).

Can lithium batteries cause a fire on a plane?

Smoke and fire incidents involving lithium batteries can be mitigated by the cabin crew and passengers inside the aircraft cabin. If carry-on baggage is checked at the gate or planeside, spare lithium batteries, electronic cigarettes, and vaping devices must be removed from the baggage and kept with the passenger in the aircraft cabin.

How many lithium batteries can a passenger carry?



The maximum number of equipment and electronic devices containing lithium batteries (each piece within 100Wh or 2g) for carriage in check-in baggage is 15 pieces per passenger, and up to in each bag. For example: 5.

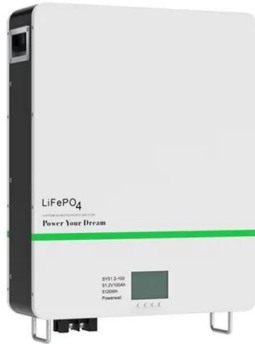
Can I bring a battery on a connecting flight?

We recommend passengers check with operating carriers on connecting flights, for their policy regarding batteries and smart bags. Any type of spare batteries (including lithium batteries, power banks, alkaline dry cells) Laptop computers. Any type of spare batteries is strictly prohibited in checked baggage.



## International flight lithium battery

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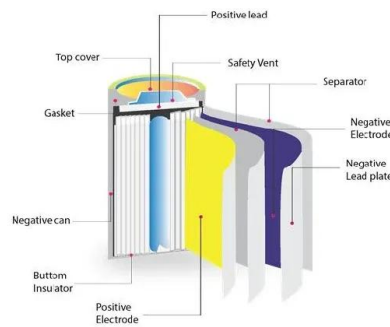


### IATA

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 this supply chain, to protect the

### Lithium Batteries in Baggage

Lithium batteries, which power everyday devices, can catch fire if damaged or if battery terminals are short-circuited. Flight Information International Aviation National Airspace System Subnav: Air Traffic 2 NextGen Obstruction Evaluation Air Traffic Plans and



### **Lithium Battery Risk Assessment Guidance for Operators - 3rd ...**

cargo aircraft, both internationally and on relatively short domestic flights. Lithium batteries, whether shipped on their own or packed with equipment, are not permitted in airmail. Nevertheless, numerous websites advertise lithium batteries for sale with delivery by



### Can I Take Lithium Batteries on a Plane?

Can I bring AA lithium batteries in my carry-on when flying internationally? Yes, you are allowed to bring AA lithium batteries in your carry-on when flying internationally. However, it is important to check with the airline and the



country you are traveling to for any specific regulations or restrictions.



### Transport of Lithium Metal and Lithium Ion Batteries

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 DGR. Specifically, the document ...

### Lithium batteries with more than 100 watt hours

Spare (uninstalled) lithium ion and lithium metal batteries, including power banks and cell phone battery charging cases, must be carried in carry-on baggage only. With airline approval, passengers may also carry up to two spare larger lithium ion batteries (101-160 Wh) or lithium metal batteries (2-8 grams).

### DETAILS AND PACKAGING



### IATA

Smart luggage regulation Baggage installed with non-removable batteries exceeding 0.3 g lithium metal or 2.7 Wh is forbidden for carriage. When the baggage is to be checked in, the lithium battery must be removed and carried in the cabin as a carry-on item. More



### Lithium Batteries in Baggage

Devices containing lithium metal batteries or lithium ion batteries, including - but not limited to - smartphones, tablets, cameras and laptops, should be kept in carry-on baggage. If these ...



### Restricted and prohibited , LATAM Airlines

-International flights: you can bring containers that are 100 ml (3.4 oz.) or less per item, inside a transparent bag of up to 1 liter (34 oz.), Note 1: For lithium batteries, the lithium metal content should not exceed 2 g and for lithium-ion batteries the rated Note 2:

### **Can I bring the lithium battery and the lithium ion battery in**

In addition, electronic devices with containing batteries and lithium ion battery can be checked by checked baggage as long as they satisfy certain conditions. Please check " Restricted items " and " (International Flights) About the restricted articles in checked and carry-on baggage " for details.



### **Air travel with lithium batteries - BatteryGuy Knowledge Base**

Lithium Metal (disposable lithium batteries) - No more than 2 grams of lithium per battery (see above on how to calculate this). Lithium Ion (rechargeable batteries) - Each battery cannot exceed a rating of 100 Watt-hour unless you have express permission from the airline.



### Can I carry this in my luggage? Batteries

Lithium Ion battery (rechargeable) - exceeding 100Wh and up to 160Wh. Lithium ion batteries over 160Wh are forbidden as passenger baggage and must be sent as freight. Lithium Ion batteries must be declared during check-in. Only two spares per passenger.



- LiFePO<sub>4</sub> Battery, safety*
- Wide temperature: -20~55°C*
- Modular design, easy to expand*
- The heating function is optional*
- Intelligent BMS*
- Cycle Life: > 6000*
- Warranty: 10 years*



### **China Eastern Safety instructions for lithium batteries ...**

Safety instructions for lithium batteries and dangerous goods. Spare lithium batteries must be carried in carry-on baggage only and must be individually protected so as to prevent short circuits. Power banks are considered as spare ...

### Dangerous Goods Information

Capacity of the lithium battery must be lower than 160 Watt-hours: If the smart baggage is checked in, the battery must be removed and carried as carry-on baggage. Electronic devices installed on the baggage must be powered off during the flight.



### **Are Lithium Batteries Allowed in Baggage on Air NZ Planes?**

Before bringing lithium batteries on flights, learn whether your battery or battery-operated device can be carried on a plane, and how to pack them safely. Medium Watt hour (Wh) rating or lithium content Lithium-ion (polymer) batteries between 100-160 Watt hours (Wh)



## China Civil Aviation

Air passengers carrying electronic applications with lithium batteries and spare batteries should pay attention to the following: 1. Electronic products that contain lithium batteries, such as watches, calculators, cameras, cell phones, portable computers and DVs, can be taken as hand luggage and consigned in the checked luggage.

Sample Order  
UL/KC/CB/UN38.3/UL



## Baggage Restrictions

Non Removable lithium battery must not exceed 0.3 g lithium metal or for lithium ion must not exceed 2.7 Wh. Removable lithium battery must be removed and carried into the cabin. If the "Smart Baggage" does not meet the above safety requirements, it will be refused at check-in.

## Electronic devices and batteries

Power restriction for lithium batteries: max. 160 Wh or 8 g LC per device Power restriction for non-spillable wet batteries: max. 100 Wh and 12 V per device Note: Battery-powered portable medical devices require transport approval and medical clearance from the



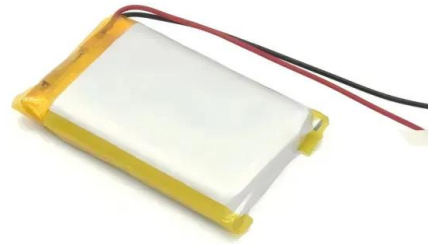
## Spare batteries , Baggage information

All types of spare batteries (such as lithium batteries, Nickel Cadmium (Ni-Cad) and Alkaline) can be carried safely in your cabin baggage provided that they are adequately protected against ...



## Dangerous goods

Electric skateboards and scooters with batteries over 160Wh, or batteries between 101Wh and 160Wh without prior approval (see Lithium batteries) Jetstar Japan (GK) flights have additional prohibited items, see What can't I carry on board and our Jetstar Japan Dangerous Goods List (PDF) for details.

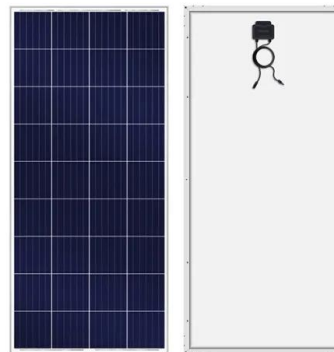


## How To Travel With Batteries On A Plane. Ultimate Guide To ...

Additionally, spare lithium-ion batteries with more than 100 watt-hours (Wh) or lithium metal batteries with more than 2 grams of lithium content are not allowed on planes at all. It's important to do your research before packing any type of battery for air travel to ensure compliance with airline regulations and keep everyone safe during the flight.

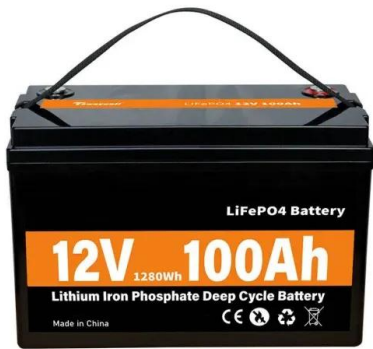
## Dangerous goods battery powered devices and equipment

Requirements When packed in checked baggage: devices containing batteries must have the ON/OFF switch protected to prevent accidental activation, and the device must be completely switched off \* (not in sleep or hibernation mode). Disclaimer: \*Devices containing a lithium-ion battery not exceeding 2.7Wh do not need to be turned off in checked baggage



## IATA

How to ship lithium batteries Lithium batteries may be shipped by air when all the applicable regulatory requirements are met. This includes making certain that: The cell and battery types have passed the applicable UN tests All terminals are protected against short



### Restricted and Prohibited Items

Small lithium battery-powered vehicles are not accepted in either checked baggage or carry-on baggage due to safety concerns associated to the lithium batteries that power them. Prohibited vehicles include: hoverboards, AirBoards, electric skateboards, airwheels, mini-Segways, balance wheels, battery-assisted bikes and electric scooters.

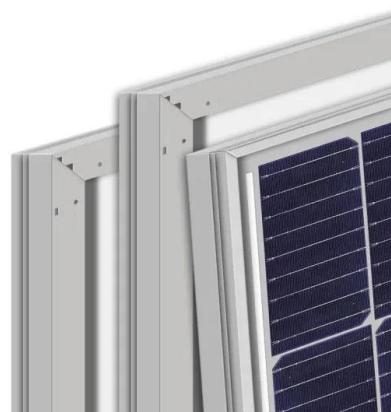


### **Guidelines for Batteries**

Small lithium batteries and cells (

### Battery or Fuel-Powered Items

Lithium cells or batteries power many consumer electronic devices and medical devices, like watches, laptop batteries, calculators, cell phones, hearing aids and much more. You can bring lithium-battery powered devices as carry-on items or in checked baggage.





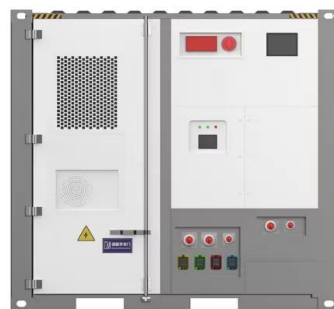
### Lithium Battery

Bringing a prohibited lithium battery onboard in violation of the rules endangers the safety of all passengers and their belongings. Those who do so will be strictly punished and prosecuted. ...



### IATA

Lithium batteries carried by passengers remain a safety concern for airlines. You may carry devices powered by lithium batteries subject to certain conditions. The following items must only be packed in carry-on baggage: Portable power banks - these are portable power supplies that allow you to charge other electrical devices.



### Items With Conditions Attached to Their Carry-on or Check-in

Only the following lithium batteries may be carried on board: Lithium-metal batteries with a lithium content of 2 g or less, and lithium-ion batteries with a watt-hour rating of 100 Wh or less. Take the necessary measures to prevent accidental activation of the heat producing component.

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### ICAO Council revises international guidelines relating to small ...

Based on the revised requirement, devices powered by small lithium batteries in checked baggage can stay turned on during the flight, provided their lithium metal battery's lithium ...

### Batteries Carried by Airline Passengers FAQ

Lithium metal batteries (a.k.a.: non-rechargeable lithium, primary lithium). These batteries are often used with cameras and other small personal electronics. Consumer-sized batteries (up to 2 grams of lithium per battery) may be carried. This includes all the



### Electronic Device , United Airlines

Store spare batteries in carry-on bags. Lithium-ion batteries can't exceed 100 watt hours. Lithium metal batteries can't exceed 2g. If you're unsure about the battery, don't pack it. Learn more about lithium batteries. The DOT and the FAA also has more

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