



Requirements for carrying lithium batteries

What are the shipping requirements for a lithium ion battery?

All packages prepared in accordance with Packing Instruction 968, Section IA, IB and II, must bear a Cargo Aircraft Only label, in addition to other required marks and/or labels. All lithium ion cells and batteries (UN 3480 only) must be shipped at a state of charge (SoC) not exceeding 30% of their rated capacity.

What is a lithium battery size limit?

For lithium batteries that are installed in a device (laptop, cell phone, camera, etc.), see the entry for "portable electronic devices, containing batteries". Size limits: Lithium metal (non-rechargeable) batteries are limited to 2 grams of lithium per battery.

Do lithium batteries need to be followed by the shipper?

Yes. All the applicable provisions for lithium batteries will need to be followed by the shipper of such devices, including the limitations for devices that are "active" (on) during transport. The IATA Temperature Control Regulations (TCR) also apply to such shipments. AA.

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 is the maximum weight of lithium batteries per package?

The maximum weight is 5 kg of lithium batteries per package for passenger and cargo aircraft and 35 kg of lithium batteries per package for cargo aircraft only. The net quantity shown excludes the weight of the equipment: X.

Can lithium ion batteries be shipped as cargo?

in accordance with Special Provision A201, lithium ion cells or batteries that meet the specified quantity limits may be shipped as cargo on a passenger aircraft under an approval issued by the authority of the State of Origin, State of Destination and State of the Operator.

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The TSA guidelines for carrying lithium battery chargers allow passengers to bring chargers in their carry-on luggage but impose restrictions on the battery capacity. Charger types: - Portable chargers (power banks) - Laptop chargers - Smartphone chargers - Other electronic chargers. Battery capacity limits: - Chargers under



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100 watt-hours (Wh) - Chargers ...

Lithium-ion battery size is limited to 300 watt hours (Wh). The passenger must advise the airline of the battery location on the device. Mobility device with battery installed and not removed must be checked and not carried on. Lithium metal (non-rechargeable lithium) batteries are forbidden with these devices. NO YES Spare Lithium Battery ...

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. When a carry-on bag is checked at the gate or at planeside, all spare lithium batteries and power banks must be removed from the bag and kept with the passenger in the aircraft cabin ...

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Other requirements for lithium batteries. Other requirements for lithium batteries are outlined in entries under the "Hazardous Materials Table" contained in 49 CFR Part 172. The entries for various types of lithium batteries will direct you to different parts of the regulation that cover requirements like the following: Packaging requirements

1.2 Differences Between Carry-On and Checked Luggage Rules. Lithium batteries that are in your devices--like your CPAP machine, insulin pump, or even your electric toothbrush--are usually fine to bring on board in your carry-on fact, it's recommended to keep them in your carry-on because the cabin is pressurized and monitored, which lowers the risk of ...

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Always check with the airline before your trip to stay informed about their requirements. Tips for Traveling with Lithium Batteries. Traveling with lithium batteries doesn't have to be complicated if you keep these tips in mind: 1. Carry-On whenever possible: It's generally recommended to carry lithium batteries in your cabin baggage rather than in ...

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Spare Lithium-ion Batteries. While carrying lithium-ion batteries is generally allowed, there are certain exceptions and restrictions for spare batteries: Watt-Hour Rating Limits: If you plan to carry spare lithium-ion batteries with a watt-hour rating between 100Wh and 160Wh, check with the airline in advance. Some airlines may require prior ...

and must be assigned to UN 3480, lithium ion batteries, or UN 3090, lithium metal batteries, as applicable. For carriage by passengers, power banks are considered spare batteries and must be

Lithium Battery - The term "lithium battery" refers to a family of batteries with different chemistries, comprising many types of cathodes and electrolytes. For the purposes of the DGR they are separated into: Lithium metal batteries. Are generally primary (non-rechargeable) batteries that have lithium metal or lithium compounds as an anode. Also included within lithium metal are ...

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batteries by passengers is dependent on the Watt-hour (Wh) rating for lithium ion (rechargeable) batteries or the lithium metal content in grams (g) for lithium metal (non-rechargeable) ...

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