

# Un 3480 lithium ion batteries

Many people simply assume it is safe to ship lithium ion batteries. But this is not the case. It is simply not possible to put them into any old box and send them, with a number of laws and regulations in place to ensure the safety of those transporting them.

Lithium -ion batteries (UN 3480) are accepted for cargo transport only with a State of Charge of 30% or less. Note: For the IATA Guidance Document on lithium batteries,

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 individually protected from short-circuit and carried in carry-on baggage only.

There are many different chemistries of lithium cells and batteries, but for transportation purposes, all lithium cells and batteries fall into one of two basic types: lithium ion and lithium metal. Both battery types are characterized by a higher energy and a longer operating life than alkaline,

Lithium Ion batteries are classified as Dangerous Goods for the Transport by Road/Rail, Sea and Air. It is important to conform to the requirements of the UN Regulation on the Transport of Dangerous Goods.

UN 3480 can encompass a variety of different types and configurations of lithium-ion cells and batteries, making it difficult to assess the hazard associated with the package simply by looking at the label alone.

Potential Risks and Hazards Associated with UN3480 Batteries. When it comes to UN3480 lithium ion batteries, there are potential risks and hazards that need to be taken seriously. These batteries have a high energy density, which means they can overheat and catch fire if not handled properly.

Substance information for UN 3480 - Lithium ion batteries including lithium ion polymer batteries based on the Hazardous Materials Table (Title 49 CFR 172.101) to assist in preparing a risk assessment for loading, transporting and storing hazardous materials.

Lithium ion batteries with a nominal capacity exceeding 100 Wh and lithium metal batteries containing over 2g of lithium are classed as dangerous goods (Class 9), as such there are strict requirements for transporting them via road, air, sea and rail. ... UN 3480 - batteries shipped by themselves; UN 3481 - batteries shipped in equipment ...

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