

Kongres Container

How much does it cost to customize a lithium battery pack in Slovenia

Our Lifepo4 batteries can be connected in parallels and in series for larger capacity and voltage.



Overview

Can lithium batteries be shipped via air freight?

In order to ship ANY lithium battery products via air freight, the UN 38.3 test must be passed by the battery packs. New regulations were passed in 2016 that tighten requirements for shipments of lithium products and that forbid lithium batteries to be shipped on passenger aircraft.

Do lithium batteries need to be UL certified?

IEC testing includes CB certification. IEC and UL testing must be done after the transportation certification is complete. For more information, see our blog post on why lithium batteries are so expensive to manufacture. In order to ship ANY lithium battery products via air freight, the UN 38.3 test must be passed by the battery packs.

Are lithium batteries regulated?

Shipping batteries is highly regulated, and anyone involved in packaging or handling battery shipments must complete annual certification training. These regulations apply to all lithium battery types and are strictly enforced by agencies such as DOT, IATA, and IMDG.

What are the shipping regulations for lithium batteries?

The U.S. DOT (United States Department of Transportation) defines shipping regulations for the U.S. under 49 CFR, Sections 100 - 185. Section 173.185 specifically addresses specifications and exceptions and packaging for lithium batteries; section 172.101 covers shipping.

What are the UL standards for lithium batteries?

UL is an independent product safety certification organization that, in conjunction with other organizations and industry experts, publishes consensus-based safety standards. For lithium batteries, key standards are: UL 1642: This standard is used for testing lithium cells. Battery pack level

tests are covered by UL 2054.

Why should a custom battery pack be certified?

The result: a faster path to market, reduced costs, and total confidence in your product's compliance. Lithium battery safety is at the top of the list for anyone who manufactures custom battery packs. The battery pack certifications listed here are near universal standard industry practice for leading companies in the electronic industry.

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Contact Us

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