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# **Bangladesh solar container battery air transport power requirements**





## Overview

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What are the classification and shipping requirements for lithium-ion batteries?

The classification and shipping requirements for lithium-ion batteries depend on their size and energy capacity (Watt-hours). For standalone batteries. Strict UN-certified packaging. IUMI strongly supports the SoC limit of 30% for air freight and advocates similar principles for maritime transport.

What are the new packaging requirements for lithium ion batteries?

Revised Packing Instructions: More stringent requirements for UN-certified packaging, capable of withstanding specific drop tests. State of Charge (SoC) Emphasis: Increased scrutiny on the SoC for standalone lithium-ion battery shipments, with a general requirement not to exceed 30% of rated capacity.

Can lithium-ion batteries be shipped by air?

But there's good news: Lithium-ion batteries can be shipped safely by air if shippers take proper precautions. As with all hazardous goods, safely shipping lithium-ion batteries by air requires having personnel with the appropriate expertise and training and complying with strict labeling and packaging requirements.

Should EV batteries be shipped at a low SoC?

State of Charge (SoC): Strongly advocates for shipping batteries at a low SoC (ideally 30%-50%) to reduce energy available for a thermal event. The growing EV market has necessitated a dedicated regulatory framework and industry best practices. Vehicles must be securely stowed to prevent movement.



## Bangladesh solar container battery air transport power requirement



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