

Safe distance of lithium-ion batteries for small solar container communication stations





Overview

What are the lithium-ion batteries in containers guidelines?

The Lithium-ion Batteries in Containers Guidelines that have just been published seek to prevent the increasing risks that the transport of lithium-ion batteries by sea creates, providing suggestions for identifying such risks and thereby helping to ensure a safer supply chain in the future.

How to secure a lithium battery container?

Segregation: It is recommended to segregate lithium battery containers from those containing other dangerous goods, particularly flammables, by at least one container bay (6 meters). Securing: All cargo must be secured within its container and on the vessel in accordance with the CTU Code and the vessel's Cargo Securing Manual.

Are lithium-ion batteries safe?

Homeowners increasingly adopt lithium-ion batteries for solar energy storage, backup power, and energy efficiency. These systems, when installed according to NFPA 855, minimize risks such as fire or thermal runaway. Proper ventilation, fire safety measures, and adherence to spacing requirements ensure safe operation.

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.



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CINS - Lithium-Ion Batteries in Containers
Guidelines Safe Carriage of Lithium Ion Batteries
These Guidelines produced by the global carrier
CINS Network is intended to highlight the risks
that Lithium-Ion ...

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The enclosed document provides shipping companies, operators and carriers with safety standard guidance for the transportation of lithium-ion cells, classified under UN Nos. ...

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This has led to the increased use of lithium-ion batteries (LIBs) in all kinds of electronic devices, appliances, battery energy storage systems (BESS) and small vehicles. If these cargoes are not handled, packaged, ...

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[Understanding NFPA 855 Standards for Lithium Battery Safety](#)

NFPA 855 lithium battery standards ensure safe installation and operation of energy storage systems, addressing fire safety, thermal runaway, and compliance.

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[Requirements for Shipping Lithium Batteries 2025](#)

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The Guidelines are intended to highlight the risks that Lithium-Ion batteries can present, providing guidance and suggestions for identifying the risks and ensuring safe carriage of the batteries.

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