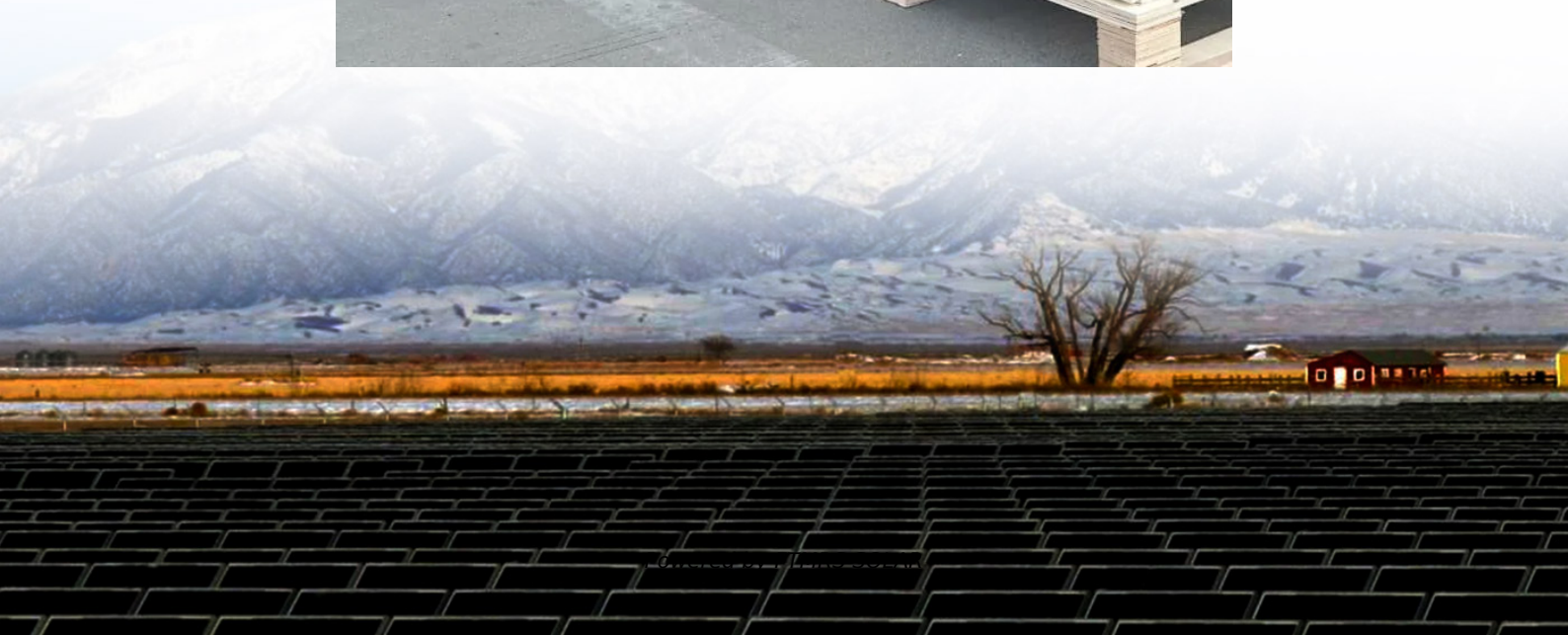


Changes in solar container battery shipments





Overview

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.

Will rapid battery cost declines accelerate all-electric interregional container shipping?

Kersey, J., Popovich, N. D. & Phadke, A. A. Rapid battery cost declines accelerate the prospects of all-electric interregional container shipping. *Nat. Energy* 7, 664–674 (2022).

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.

Are lithium-ion batteries transforming the maritime industry?

The maritime industry is witnessing a significant shift in cargo composition, with lithium-ion batteries and their applications (EVs, BESS) becoming increasingly prevalent.



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