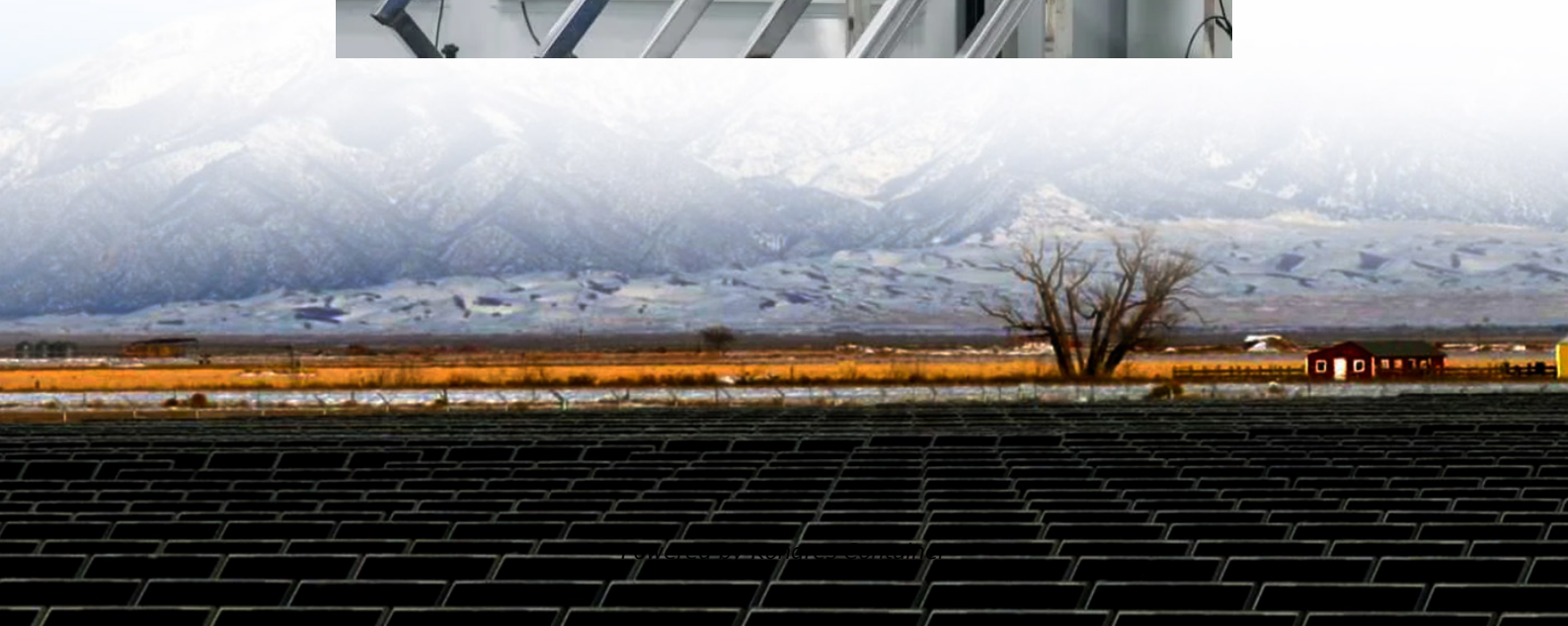


## Kongres Container

# Is the energy storage container a dangerous good



## Overview

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Are battery energy storage systems safe aboard ships?

In recent months, Gard has received numerous inquiries about the safe transportation of battery energy storage systems (BESS) aboard ships. This article addresses some of the key risks, regulatory requirements, and recommendations for shipping such cargo.

Are battery energy storage systems a threat to maritime safety?

12. March 2025 In recent years, demand for the maritime transportation of containerised Battery Energy Storage Systems (BESS) has grown significantly. However, due to the high safety risks associated with energy storage containers, their transportation poses new challenges to maritime safety.

What are the risks of energy storage systems?

**Overweight risks** Due to the large size and mass of energy storage systems, individual units usually weigh over 30 tons. They face higher risks of dropping, impact and vibration during loading, unloading, and transportation.

Why should you choose Huin international logistics for battery energy storage systems?

HUIN International Logistics offers expert, safe transport solutions for Battery Energy Storage Systems (BESS), ensuring reliability and compliance throughout the entire shipping process.

What are the different types of energy storage systems?

These systems consist of multiple devices assembled into a single unit capable of storing significant amounts of energy. Among the various types of energy storage systems (ESS), BESS are the most prevalent, especially those utilizing pre-assembled lithium-ion battery modules.

What is a battery energy storage system (BESS)?

The transportation of a Battery Energy Storage System (BESS) is one of the most important-but widely disregarded-steps for the completion of the project. Lithium-Ion Phosphate batteries (LFP) are designed to provide high amounts of power, but they can produce high amounts of heat that cause fires.

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