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Title: How to ship non-standard energy storage containers

Generated on: 2026-04-05 22:54:25

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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.

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?

Battery energy storage systems (BESS) are the most common type of ESS where batteries are pre-assembled into several modules. BESS come in various sizes depending on their application and their usage is expected to rise considerably in coming years.

What are energy storage systems (ESS)?

According to the International Energy Agency, energy storage systems (ESS) will play a key role in the transition to clean energy. Sometimes referred to as "energy storage cabinets" or "megapacks", ESS consist of groups of devices that are assembled together as one unit and that can store large amounts of energy.

In the past few months, Gard has received several queries on the safe carriage of battery energy storage systems (BESS) on ships. In this insight, we highlight some of the key risks, regulatory ...

The export of energy storage cabinets requires a series of processes, let's take a look together!

Learn how to ship UN3536 energy storage containers. Documents, booking rules, packaging, port handling, and carrier approval explained.

Exporting energy storage containers equipped with lithium-ion batteries presents unique regulatory challenges,

How to ship non-standard energy storage containers

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particularly regarding UN3536 certification. This article provides ...

Standard shipping containers used for energy storage usually follow the ISO container dimensions, which are well - recognized in the shipping industry. However, ...

"The example of transporting battery energy storage systems that we carried out perfectly illustrates how challenging logistics are for the energy storage sector.

Transform shipping containers into battery energy storage systems (BESS). These containers can house batteries for storing excess energy generated from renewable sources such as solar or ...

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Imagine shipping a container of lithium-ion batteries without proper certification - it's like trying to board an international flight with a library book instead of a passport.

Throughout this comprehensive guide, we've explored the transformative potential of shipping container energy storage systems as a beacon for sustainable energy storage ...

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