

Road transport energy storage container





Overview

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.

Is Bess the right energy storage solution for your project?

The energy storage market is a global one. With the transportation of BESS accounting for up to 15% of a project's cost, careful consideration is needed to ensure the right solution, writes Vienna Zhou, founder and CEO of Canada-based commercial & industrial (C&I) specialised system integrator TROES Corp.

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.

Can a 40ft container be used in a Bess project?

Standard ISO containers, even the larger 40ft models, have inherent size limitations. This restricts the total energy storage capacity that can be transported in a single container. For large-scale BESS projects requiring high capacity, containerised transport might not be feasible.



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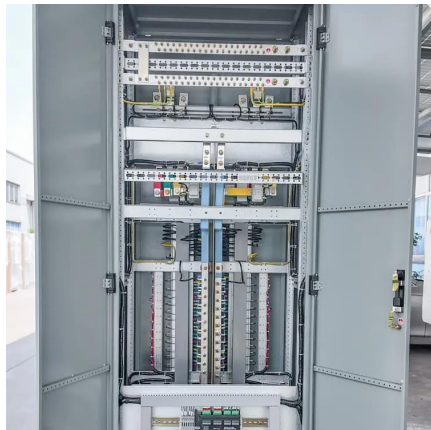
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