



BUHLE POWER

Marine containerized battery system





Overview

What is a containerized battery storage system?

The containerized solution provides a safe, compact, and space-efficient solution for housing batteries on board a ship, either on the deck or below deck. Multiple containers can be combined to create larger energy storage capacities, providing scalability based on the ship's energy requirements.

What is containerized energy storage?

ABB's containerized energy storage solution is a complete, self-contained battery solution for a large-scale marine energy storage. The batteries and all control, interface, and auxiliary equipment are delivered in a single shipping container for simple installation on board any vessel. How does containerized energy storage work?

What is a battery energy storage system?

This containerised and mobile Battery Energy Storage System (BESS) serves as a flexible and scalable power supply solution on board or in port. The system features a battery setup by Lehmann Marine with electrical components to provide either DC or AC output, depending on operational needs.

Can battery technology be used in maritime applications?

However, battery technology in maritime application develops with many challenges. The limited energy density and range of current battery technologies restrict all-electric propulsion primarily to short routes, while hybrid systems remain more suitable for medium- to long-range applications.



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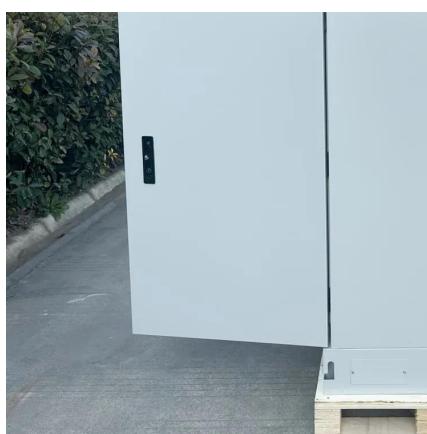


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Battery Energy Storage System (BESS)

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