

# **Mobile energy storage container exchange at port terminals**





## Overview

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Why is energy storage a critical port function?

Ensuring availability of these electrical resources to meet loads which are intermittent and uncertain is becoming a critical port function. It requires investment in multi-vector energy supply chains, energy storage in ports and their associated energy management systems.

How does a maritime energy storage system work?

The maritime energy storage system stores energy when demand is low, and delivers it back when demand increases, enhancing the performance of the vessel's power plant. The flow of energy is controlled by ABB's dynamic Energy Storage Control System.

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?

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Why are ports a major energy platform?

The setting of petrochemical complexes led to several ports becoming major energy platforms relying on three interrelated functions: Ports can serve as energy transport platforms, acting as gateways for the exports or imports of energy products, including their temporary storage.



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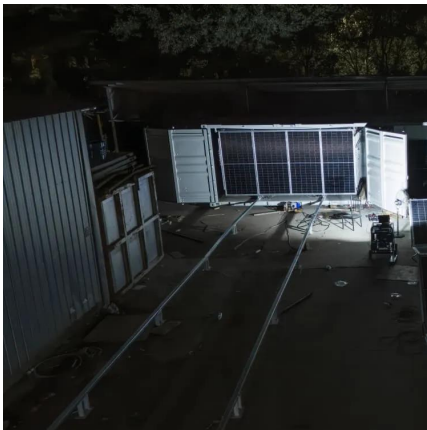
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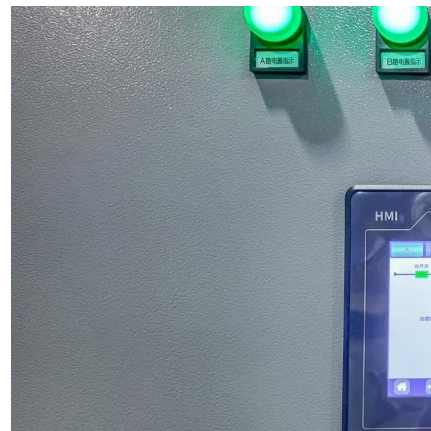
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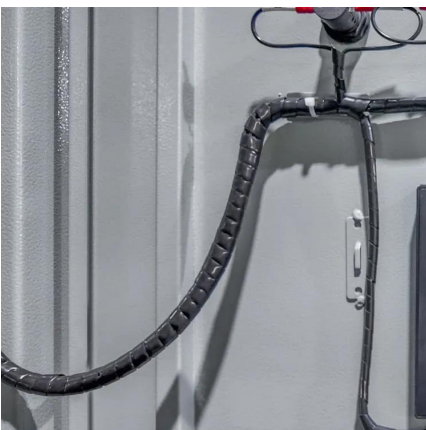
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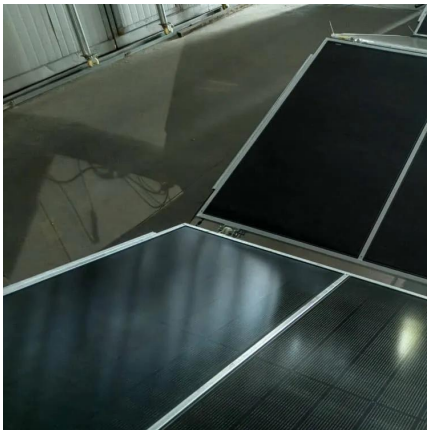
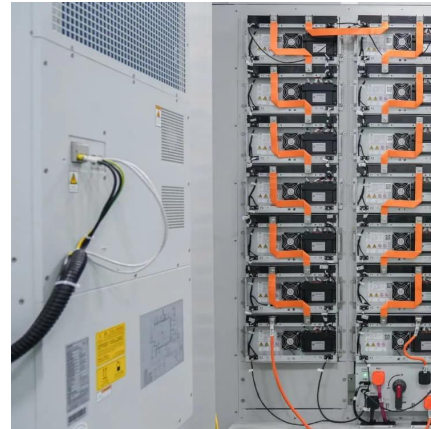
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