

Order for 20kW mobile energy storage container for port terminals





Overview

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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How much power does a 20ft container have?

The 20ft container features a 614 kWh 250kW power storage system, which can be built almost anywhere due to the prefabricated design, therefore, much time and money involved in the process will be saved. The control system of voltage and frequency regulation can help meet the emergency demand for power supply.

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.

How can ports reduce energy costs?

ESSOP has explored two ways in which ports can minimize their energy costs by using energy storage: • Optimising how to use PV solar generation to offset grid electricity. The wholesale price of energy varies every half-hour, and on a time-of-day tariff this variation is passed onto users.



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