

ContainerPower Energy Solutions

Shore power storage solution

 **TAX FREE**    

ENERGY STORAGE SYSTEM

Product Model
HJ-ESS-215A(100KW/215KWh)
HJ-ESS-115A(50KW 115KWh)

Dimensions
1600*1280*2200mm
1600*1200*2000mm

Rated Battery Capacity
215KWH/115KWH

Battery Cooling Method
Air Cooled/Liquid Cooled



Overview

What is a shore power solution?

Shore power solutions enable the connection of ships in port to onshore power supplies that provide electricity for on-board services allowing diesel generators to be switched off.

What are the applications of shore power?

Some of the most innovative applications of shore power are in the marine shore power industry, where there's a wider range of needs for shore power. One such application is for a floating storage unit (FSU) for an offshore LNG terminal in Bahrain.

How can shore power help save fuel and reduce emissions?

This saves fuel and cuts harmful emissions. Shore power solutions from Wärtsilä help vessels save fuel and decrease their emissions because they can plug in to the onshore electricity grid when in port. Without shore power, the vessels would have to use auxiliary engines to generate power.

Can a floating battery power barge deliver high-capacity shore power?

Mobile shore power solutions, with- or without a battery will ensure port authorities compliance to regulations. This analysis outlines a floating battery energy storage platform - referred to as the power barge - capable of delivering high-capacity shore power to offshore construction vessels.

What is a Shore Drive Unit?

With this solution the vessel can connect to any harbor if it offers a power connection point. The Shore Drive Unit allows for change over to shore supply without blackout and the possibility to run onboard generators in parallel with the shore supply and optional onboard energy storage.

How does shore power work on a ship?

On the ship an incoming panel is placed in a confined room, where the operator connects the ship to shore power. The power is often via a transformer (if ship grid is low voltage) connected to the main switchboard. The Wärtsilä shore power control system and built in safety features ensures safe and seamless operation.

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Contact Us

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