



WALMER ENERGY

Rapid Charging of Mobile Energy Storage Containers for Mongolian Ships





Overview

What is a marine charging system?

Vessel charging solutions are designed for ships that have an energy storage system – for example a marine battery. A marine charging system works in much the same way as a charging system for cars and other electric road vehicles. Vessel charging systems are not yet standardized like alternative marine power (AMP) systems.

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 Wärtsilä wireless vessel charging system?

The Wärtsilä wireless vessel charging system replaces the traditional cable connection method. This type of marine battery charging system is particularly well suited to fully electric vessels that spend little time in port, such as ferries.

Are vessel charging systems standardized?

Vessel charging systems are not yet standardized like alternative marine power (AMP) systems. They often require fast charging or DC charging, though normal charging or AC vessel charging is also possible. The IEC 80005 standardized AMP system can be used for charging if the port stay is long enough, such as for RoPax or RoRo vessels.



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