



LOTWA SYSTEM

Manufacturer of 50kW Solar-Powered Container Ships for Ports





Overview

Dutch solar innovator Wattlab and German inland shipping giant HGK Shipping have teamed up to launch the world's first hybrid solar-powered inland vessel as part of an ambitious initiative to decarbonize inland waterway transport. Can solar power a container ship?

They designed a solar and battery tech stack that can completely power a container ship at standard operating speeds. The transition to cleaner fuel is just one way to decarbonize the shipping industry. New retrofit technologies are emerging that can significantly reduce shipping emissions with less wait time.

Can solar power be used in inland shipping?

For the first time in inland shipping, solar energy can be transferred directly to the vessel's drivetrain, advancing clean propulsion technology. The Blue Marline is the first inland shipping vessel capable of hybrid sailing with solar power. Wattlab.

Is Voltic a good company to build a cargo ship?

Voltic is leading the way. Voltic is building electric cargo ships that are zero-emission and 3x more profitable than existing ships. They designed a solar and battery tech stack that can completely power a container ship at standard operating speeds. The transition to cleaner fuel is just one way to decarbonize the shipping industry.

What is a 'future fuel ready' vessel?

It was officially christened during a ceremony that took place in the city of Hamburg in Germany on July 3. The vessel combines a powerful diesel-electric 'Future Fuel Ready' propulsion system, low-water optimization, and SEAFAIR technology for remote-controlled navigation.



Manufacturer of 50kW Solar-Powered Container Ships for Ports

Solar Container , Large Mobile Solar Power ...

3 days ago · Trusted manufacturer Modular Solar Container Solutions LZY offers large, compact, transportable, and rapidly deployable solar storage ...

First Solar Powered Inland Shipping Vessel

Jul 9, 2025 · The Blue Marlin, an inland cargo vessel equipped with 192 solar panels, docked at De Gerlien van Tiem shipyard. The vessel is the first ...

World's first inland solar ship to glide on sun power with 192 ...

Jul 8, 2025 · The world's first solar cargo ship which consists of 192 solar panels has recently been launched in Europe.

Sailing into the Future: World's First Hybrid Solar Cargo ...

Aug 4, 2025 · The vessel runs on a dual-engine system: one low-emission methanol-powered engine and one electric motor powered by solar energy and battery reserves. This hybrid ...

Solar-Powered Outdoor Container BESS 50KW 100kWh ...

Key attributes Battery Type LiFePO4 Grid connection Off grid, Hybrid grid Model Number MECC150-3 Brand Name MECC Place of Origin Zhejiang, China Dimension (L*W*H) ...

World's First Hybrid Solar-Powered Inland Cargo Vessel Sets ...

Jul 17, 2025 · German inland shipping operator HGK Shipping, in partnership with Dutch solar technology firm Wattlab, has introduced the Blue Marlin, the world's first inland cargo ship to ...

Blue Marlin Becomes World's First Hybrid ...

Jul 11, 2025 · Dutch solar technology company Wattlab and Germany's HGK Shipping have unveiled the Blue Marlin, the world's first hybrid solar ...

The Blue Marlin, World's First Hybrid Solar-Powered Inland Cargo Ship

Jul 12, 2025 · The Blue Marlin's solar system is fully connected to its engine, making this ship more powerful and efficient. The ship uses smart technology that manages energy ...

Commercial 50KW ESS Solar Container Energy Storage

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Solar Powered Shipping Container

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The construction project of the largest LNG ...

Aug 13, 2025 · The /14,000 DWT LNG-powered river-sea direct open-top container vessel is the first LNG-powered container ship to materialize ...

Navigating Tomorrow with Autonomous, Solar-Powered Container Ships

Nov 27, 2024 · Imagine a revolutionary vision of the maritime industry: autonomous, solar-powered container ships that blend cutting-edge engineering with environmental stewardship. ...

Voltic

Voltic is building electric cargo ships that are zero-emission and 3x more profitable than existing ships. They designed a solar and battery tech stack that can completely power a container ...

China Solar Powered Ships Manufacturer and Supplier, ...

Jul 31, 2025 · Looking for a reliable solar powered ships manufacturer, supplier, or factory in China? Explore our top-quality products and find the perfect solution for your maritime needs. ...

Blue Marlin Becomes World's First Hybrid Solar-Powered Cargo Ship

Jul 11, 2025 · Dutch solar technology company Wattlab and Germany's HGK Shipping have unveiled the Blue Marlin, the world's first hybrid solar-powered inland cargo vessel. Officially ...

Navigating Tomorrow with Autonomous, ...

Nov 27, 2024 · Imagine a revolutionary vision of the maritime industry: autonomous, solar-powered container ships that blend cutting-edge ...

World's First Solar-Powered Ship Arrives , World Ports ...

Jul 22, 2025 · Recently, the world's first hybrid bulk carrier with solar propulsion capability, the "Blue Marlin," made its official debut in Hamburg, Germany. This inland vessel, jointly ...

World's first inland solar ship to glide on sun ...

Jul 8, 2025 · The world's first solar cargo ship which consists of 192 solar panels has recently been launched in Europe.

First Solar Powered Inland Shipping Vessel

Jul 9, 2025 · The Blue Marlin, an inland cargo vessel equipped with 192 solar panels, docked at De Gerlien van Tiem shipyard. The vessel is the first inland shipping vessel capable of using ...



Solar Energy in Maritime Transport

Feb 29, 2024 · Solar-powered ships experience reduced fuel consumption, leading to significant cost savings on long voyages. Moreover, by ...

The Blue Marlin, World's First Hybrid Solar ...

Jul 12, 2025 · The Blue Marlin's solar system is fully connected to its engine, making this ship more powerful and efficient. The ship uses smart ...

Mobile Solar Container Systems , Foldable PV ...

What is LZY's mobile solar container? This is the product of combining collapsible solar panels with a reinforced shipping container to provide a ...

Overview of Ports' Sustainable & Shore Power ...

Feb 3, 2023 · This typically excludes vessel emissions and focusses on Scope 1/2 port operations only. A significant portion of ports around the ...

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