

# **Solar-Powered Container Hybrid for Port Use**





## Overview

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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 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 solar technology a viable solution for inland cargo vessels?

Solar technology, long viewed as limited to land-based or small-scale maritime uses, is proving its viability even on large inland cargo vessels. Wattlab, for example, has been developing scalable solar solutions not just for inland shipping but also for coastal and seagoing vessels.

Does HGK ship have solar panels?

HGK Shipping, which operates a fleet of 350 vessels across Europe's waterways, has teamed up with Dutch maritime solar specialist Wattlab to deliver this innovative project. The Blue Marlin is now equipped with 192 solar panels designed to power both the vessel's onboard systems and, crucially, its high-voltage electric propulsion.

How many solar panels does the blue marlin have?

The Blue Marlin is now equipped with 192 solar panels designed to power both the vessel's onboard systems and, crucially, its high-voltage electric propulsion. This is a notable evolution from HGK's previous solar-powered vessel, the MS Helios.



## Solar-Powered Container Hybrid for Port Use

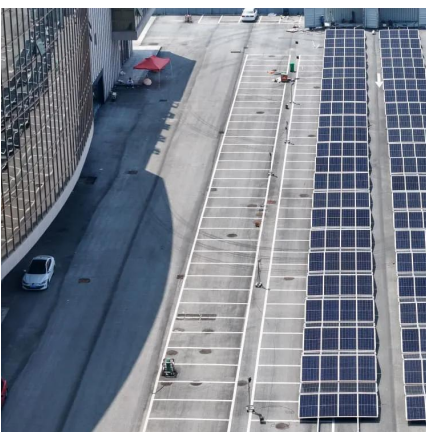


### Solar Shipping Container

Types of Solar Shipping Containers A solar shipping container is a repurposed or specially designed steel container integrated with solar photovoltaic (PV) panels to generate renewable ...

### [World's first hybrid solar-powered inland vessel launched](#)

Jul 8, 2025 · Wattlab has delivered a solar energy system for HGK Shipping's inland shipping cargo vessel Blue Marlin. 192 solar panels will provide power to both the onboard and ...



### [THE POWER OF SOLAR ENERGY ...](#)

May 19, 2023 · Emergency backup power: Showcase the usefulness of solar containers during power outages, particularly in critical facilities like ...

### [First Solar Powered Inland Shipping Vessel](#)

Jul 9, 2025 · The Blue Marlin becomes the world's first inland shipping vessel to use solar power directly for propulsion. Learn about this solar powered ...



[Eco Marine Power's wind and solar-powered ...](#)

Mar 5, 2020 · Eco Marine Power (EMP) has announced that sail-assisted propulsion and solar power device for ships is ready for demonstrations ...



[Solar Energy in Maritime Transport](#)

Feb 29, 2024 · The benefits of integrating solar energy into maritime transport extend beyond environmental conservation. Solar-powered ...



[Protect Your Cargo with Solar-Powered ...](#)

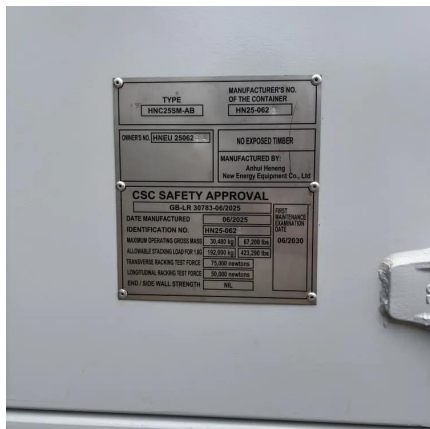
May 24, 2023 · Introduction Cargo security is a top concern for businesses that rely on shipping containers to transport their goods. With the rise of ...





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

Aug 4, 2025 · In a bold step towards decarbonizing one of the world's most polluting sectors, the world's first hybrid solar-powered cargo vessel is set to set sail--offering a blueprint for the ...

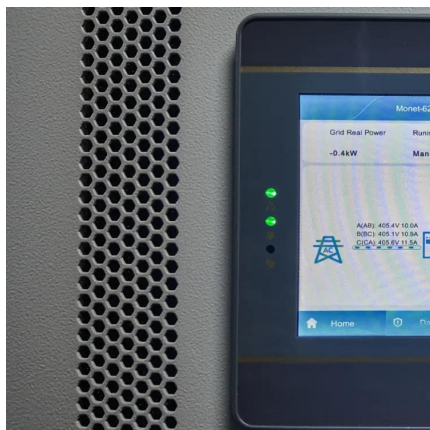


### World's first hybrid solar cargo ship to sail ...

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

### PSA Mumbai Becomes India's First Fully ...

Jan 8, 2024 · PSA Mumbai is now India's first 100% renewable energy-powered container terminal following the commission of its 7.8MW solar ...



### 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 ...



[Prospects of Solar Energy in the Context of ...](#)

Mar 1, 2025 · The technologies and challenges in utilizing solar energy for shipping are analyzed, trends in solar energy for maritime transport are ...



**Blue Marlin**

2 days ago · Blue Marlin, has become the world's first inland shipping vessel capable of hybrid sailing with solar power. This achievement marks a significant milestone in the industry's quest ...

[First Solar Powered Inland Shipping Vessel](#)

Jul 9, 2025 · The Blue Marlin becomes the world's first inland shipping vessel to use solar power directly for propulsion. Learn about this solar powered inland shipping vessel innovation.



[Global Ports Welcome a New Class of Green Ships](#)

May 6, 2025 · A transformative shift is underway in maritime transport as ports worldwide begin to accommodate a new generation of eco-friendly vessels. These ships, powered by renewable ...



[World's first hybrid solar-powered inland ...](#)

Jul 8, 2025 · Wattlab has delivered a solar energy system for HGK Shipping's inland shipping cargo vessel Blue Marlin. 192 solar panels will provide ...

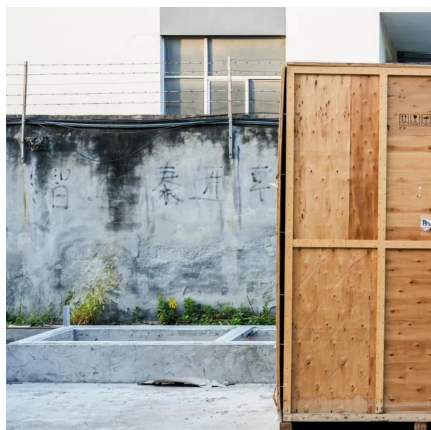


[Solar Powered Reefer Container: The Future of Sustainable ...](#)

Picture this: a shipping container sunbathing at the Port of Los Angeles while keeping ice cream frozen at -25°C. That's the reality of solar powered reefer containers - the unsung heroes ...

[Comprehensive review on recent progress in renewable and ...](#)

Current trends in maritime technology are mainly focused on construction and operation of eco-friendly ships to achieve "Net zero by 2050". Accordingly, various low-emission technologies ...



[World's first hybrid solar cargo ship to sail with 192 panels ...](#)

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



[Wattlab powers first solar-hybrid inland cargo vessel](#)

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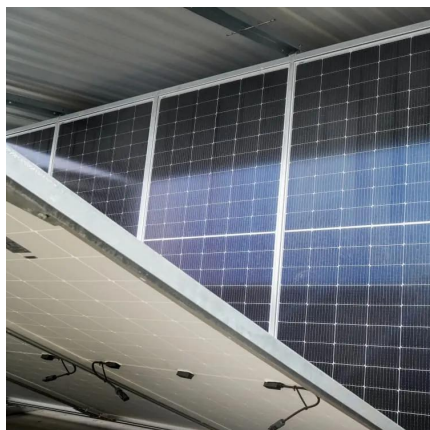


[Wattlab powers first solar-hybrid inland cargo ...](#)

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[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 Hybrid Solar-Powered Inland Cargo Ship ...](#)

Jul 12, 2025 · Dutch marine solar developer Wattlab has equipped HGK Shipping's inland cargo ship, The Blue Marlin, with a groundbreaking solar energy system. This vessel is the world's ...



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