

# **Electromechanical hybrid solar container news**





## Overview

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A newly built inland dry goods vessel, Blue Marlin, was named last week in Hamburg, Germany, and became the world's first hybrid solar-power inland shipping vessel, as well as receiving a designation for remote-controlled operations. HGK Shipping has taken a major step toward greener inland transport with the launch of Blue Marlin, the world's first inland cargo vessel equipped with a hybrid solar-powered propulsion system. Developed in collaboration with Dutch solar technology company Wattlab, the vessel is outfitted with 192. Blue Marlin's solar system provides power to the propulsion system and in optimal conditions will entirely power the vessel (HGK)

Published Jul 7, 2025 7:45 PM by The Maritime Executive

A newly built inland dry goods vessel, Blue Marlin, was named last week in Hamburg, Germany, and became the. 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 Dutch solar innovator Wattlab and German inland. The 126 MW Omkareshwar Floating Solar Park spans 642 acres, boosting green power. Kurt Knutsson reports on this innovative solution to global energy challenges. NEW You can now listen to Fox News articles! The world's first hybrid solar cargo ship has just launched in Germany, marking a major. 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 propulsion systems, making it the first such vessel in the world capable of hybrid sailing with solar power. HGK Shipping is a. Wattlab, a Dutch maritime solar technology company, has delivered a solar energy system for HGK Shipping's inland cargo vessel Blue Marlin. As a result, the Blue Marlin has become the first inland ship globally to use solar power for hybrid propulsion. The vessel is equipped with 192 solar panels.



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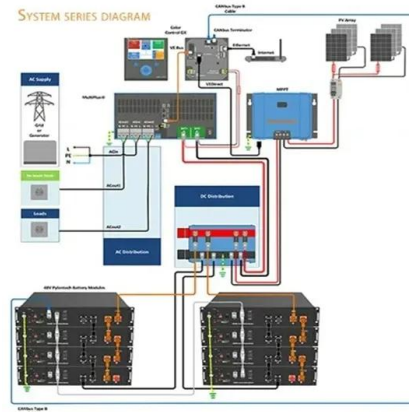


### SWT HYBRID SOLAR CONTAINER

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 propulsion systems, making it ...

### HGK Launches First Inland Cargo Vessel Capable of Sailing With ...

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### Container Microgrids: Lowering Costs Through Modular ...

In the ongoing effort to lower the cost of microgrid deployment, one concept that continues to evolve is that of the modular microgrid, best expressed in a system ...

### Hermetic hydrovoltaic cell sustained by internal water circulation

In this work, authors developed a hermetic hydrovoltaic cell that generates electricity from ambient heat without consuming water. The device operates continuously for 160 h,



unaffected ...



### World's first hybrid solar-powered inland shipping vessel

World's first hybrid solar-powered inland shipping vessel Dutch solar innovator Wattlab has delivered a breakthrough energy system for HGK Shipping's cargo vessel Blue Marlin, marking a major step ...

### Konecranes at TOC Europe 2025: Introducing the E-Hybrid RTG and

Konecranes has already received an order for E-Hybrid RTGs from a Brazilian container terminal, and the E-Hybrid RTG is now available globally.



### Large-scale compressed hydrogen storage as part of renewable

Despite being used extensively in the industrial sector, the potential of hydrogen to support clean energy transitions has not been perceived yet [6]. Although batteries can efficiently ...





## World's first hybrid solar inland vessel launched , SWZ

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 propulsion systems, ...



## Wattlab powers first solar-hybrid inland cargo vessel

Wattlab, a Dutch maritime solar technology company, has delivered a solar energy system for HGK Shipping's inland cargo vessel Blue Marlin. As a result, the Blue Marlin has become the first ...

## UNLOCKING OFF-GRID POWER: THE ULTIMATE GUIDE TO SOLAR ...

Understanding Solar Energy Containers Solar energy containers encapsulate cutting-edge technology designed to capture and convert sunlight into usable electricity, particularly in ...



**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



## First hybrid solar-powered inland shipping vessel begins operations

In a groundbreaking advancement for sustainable shipping, Dutch solar technology firm Wattlab and German inland shipping leader HGK Shipping have launched the world's first hybrid ...



## Solar Container Hybrid System

A solar container hybrid system puts solar, batteries, and a diesel generator in one container. This system uses MEOX's Mobile Solar Container, Solar container, and Diesel Container to give steady ...



## Hybrid power and propulsion systems for ships: Current status and

Multi-energy hybrid systems are very attractive and promising alternatives for the shipping industry because this kind of configuration allows fuel flexibility and electrical propulsion system ...

## How battery-hybrid systems in deepsea shipping could free up e-fuels

The study proposes a "hybrid power plant" approach where the vessel is designed with a battery capacity that can supply an average of 80% of the electricity consumed at sea, with the ...



## Solar Container Market Global Forecast Report 2025-2030 , Analysis ...

Government initiatives and disaster resilience programs boost the adoption of solar containers for emission-free power. The above 50 kW segment is gaining traction for its ability to ...



## Off grid container power systems -- Off-Grid Installer

We are offering mini renewable power stations in a Off-Grid shipping Container ready to be deployed worldwide. These include solar PV panels and mountings.



## HGK and Wattlab launch first hybrid solar-powered inland ...

HGK Shipping has taken a major step toward greener inland transport with the launch of Blue Marlin, the world's first inland cargo vessel equipped with a hybrid solar-powered propulsion ...

## No.1 Capacity Solar Container , Solarabox

Each SolaraBox container is engineered by a certified R& D team with expertise in solar energy, electrical integration, and structural design. Our systems comply with standards for PV ...



## World's first hybrid solar cargo ship to sail with 192 panels for

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 ...



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