

Ship-related solar container innovation





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. 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. In a groundbreaking shift towards sustainable maritime transport, the Blue Marlin debuts as the world's first inland vessel to harness solar power directly for propulsion, setting a new precedent in the shipping industry. Illustration of the Blue Marlin, the world's first inland vessel using solar. 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. 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 future of sustainable maritime transport. As the global shipping industry faces mounting pressure to cut emissions and. The Blue Marlin is a new hybrid inland cargo vessel revolutionizing the shipping industry. The ship, developed and launched by Dutch solar company Wattlab and German inland shipper HGK Shipping, debuted in July, according to Interesting Engineering. It is the first vessel to use solar energy to. 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 power directly for propulsion systems. The inland shipping sector has reached a significant milestone with the launch.



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Solar technology: powering the future of shipping

While initially considered difficult to adapt to marine environments, continuous advancements in materials science and engineering are yielding more robust, efficient and cost ...

Turning shipping containers into renewable solar units

Functioning as a solar energy distribution point or as a mobile power station unit, SolarTurtle is entirely packaged in a shipping container. During the day, the ...



New solar tech aims to transform cargo ships, reducing emissions and

A new solar energy system, designed specifically for seagoing vessels, promises to help shipowners reduce fuel costs and emissions in line with tightening European regulations. The innovation, ...

World's First Solar-Powered Ship Arrives

This inland vessel, jointly developed by Dutch renewable energy company Wattleb and Germany's HGK Shipping, has been hailed as a "solar-powered marvel in the shipping industry."



18650 3.7V Li-ion RECHARGEABLE BATTERY 2000mAh



First Solar Powered Inland Shipping Vessel

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.

Mobil Grid® solar container , ECOSUN innovations

The Mobil-Grid ® is an ISO-standard, CSC-approved maritime container that integrates a photovoltaic power plant, ready to be deployed and connected, with ...



- LIQUID/AIR COOLING
- INTELLIGENT INTEGRATION
- PROTECTION IP54/IP55
- BATTERY /6000 CYCLES



Sustainable transition towards greener and cleaner seaborne shipping

This study investigates the growing concerns surrounding seaborne shipping and increasing expectations in the maritime sector due to the technological...



IRENA - International Renewable Energy Agency

IRENA promotes the widespread adoption and sustainable use of all forms of renewable energy, including bioenergy, geothermal, hydropower, ocean, solar and wind energy, in the pursuit of ...



"This Solar Ship Is the Future of River Travel," Declares Visionary

In a groundbreaking shift towards sustainable maritime transport, the Blue Marlin debuts as the world's first inland vessel to harness solar power directly for propulsion, setting a new ...

Manufacturers unveil first-of-its-kind cargo ship that could

The launch of the Blue Marlin is a significant step forward in cargo ship technology. The Blue Marlin's use of solar energy will significantly cut down the amount of pollution created during ...



Sailing into the Future: World's First Hybrid Solar Cargo Vessel Set to

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 future of ...



Navigating Tomorrow with Autonomous, Solar-Powered Container Ships

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



Sustainable energy propulsion system for sea transport to achieve

The cost of renewable energy technologies such as wind and solar is falling significantly over the decade and this can have a large influence on the efforts to reach sustainability. With the shipping industry ...

Harnessing Solar Power: The Role of TLS Offshore Containers in

The demand for renewable energy solutions is at an all-time high, and solar containers have emerged as a leading innovation for sustainable power generation. TLS Offshore Containers ...



Research progress on ship power systems integrated with new energy

The integration of new energy sources into traditional ship power systems has enormous potential to bring the shipping industry in line with international regulatory requirements and is set to ...



Internet of Things (IoT) and Sensor Technology in ...

A smart container is a standard shipping container equipped with IoT technology: Sensors transmit real-time data, for example about the container's location, ...



- 50KW/100KWH
- HIGHER POWER OUTPUT IN OFF-GRID MODE
- CONVENIENT OPERATION & MAINTENANCE
- PRE-WIRED

Eco Marine Power's wind and solar-powered ship unveiled in Japan

Eco Marine Power (EMP) has announced that sail-assisted propulsion and solar power device for ships is ready for demonstrations and testing in Japan.

Solar Powered Container Ships: Navigating the Future of Maritime

The Solar Power Paradox at Sea On paper, equipping ships with photovoltaic panels seems like a no-brainer. Solar energy's free, abundant on open waters, and pairs perfectly with battery storage. Yet ...



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

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 ...



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

The companies highlight that the solar system is an advancement on the record-setting 312 solar panels installed last year aboard another HGK dry goods inland vessel, the Helios.

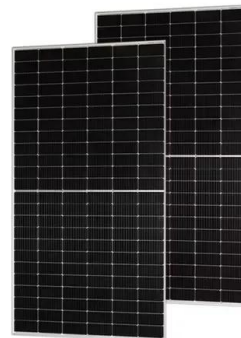


Influence of Solar Energy on Ship Energy Efficiency: Feeder Container

PDF , On Jun 1, 2019, A. Aijjou and others published Influence of Solar Energy on Ship Energy Efficiency: Feeder Container Vessel as Example , Find, read and cite all the research you need on

The Future of Shipping Container Architecture: Trends ...

Explore the future of shipping container architecture with a focus on sustainability, modular designs, innovative interiors, advanced technology, disaster resilience, ...



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World's First Hybrid Solar-Powered Inland Cargo Ship Launched

This vessel is the world's first hybrid solar-powered inland transport ship, featuring 192 solar panels that power its propulsion system and onboard operations, marking a significant ...



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