
Ultra-high efficiency solar-powered containers for ships

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

Can solar panels be used on cargo ships?

The possibility of using solar photovoltaic (PV) modules aboard cargo vessels in Dutch waterways was investigated in research by Jong and Ziar . The goal of the project was to reduce CO2 emissions by equipping inland cargo boats with PV panels.

Why do you need a solar container unit?

Our solar containers ensure fast deployment, scalability, customization, cost savings, reliability, and sustainability for efficient energy anywhere. With our pre-configured solar container unit, you can get going quickly, and the folding solar panels for containers can be deployed in less than three hours.

Why should you choose a modular solar power container?

Go big with our modular design for easy additional solar power capacity. Customize your container according to various configurations, power outputs, and storage capacity according to your needs. Lower your environmental impact and achieve sustainability objectives by using clean, renewable solar energy.

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

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 ...

Power anywhere, rapid deployment LZY mobile solar systems integrate foldable, high-efficiency panels into standard shipping containers to generate electricity through rapid ...

Pratama and Arifin [118] explored the concept of a solar-powered ship for island tourism in Labuan Fajo, Indonesia, finding that while thin film and polycrystalline silicon solar ...

World's first hybrid solar cargo ship to sail with 192 panels for 37,500 kWh power yearly For the first time in inland shipping, solar energy can be transferred directly to the ...

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The Blue Marlin marks a groundbreaking advancement in the field of inland shipping, becoming the world's first hybrid solar-powered cargo vessel. This innovative ship is equipped ...

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Renewables Solar World first claimed for hybrid solar-powered inland shipping vessel July, 2025 In the Blue Marlin, solar panels contribute power directly to the ship's high ...

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 ...

IN A NUTSHELL ? The Blue Marlin is the first inland vessel to directly use solar power for propulsion, revolutionizing sustainable shipping. ? A collaboration between Wattlab ...

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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 ...

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