

Price of 50kW Solar-Powered Container Ships for Middle Eastern Ports

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Generated on: 2026-06-03 04:02:46

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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.

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.

How do shipping companies use solar energy?

Shipping companies are also exploring innovative designs, such as solar sails and solar-assisted propulsion, which leverage both wind and solar energy for optimal efficiency.

How many solar panels does HGK have?

This is a notable evolution from HGK's previous solar-powered vessel, the MS Helios. While the Helios set a Guinness World Record in 2024 for having 312 solar panels, the most on any inland shipping vessel, its solar energy was limited to supplying low-voltage "hotel" functions such as lighting and climate control.

The ship, developed and launched by Dutch solar company Wattlab and German inland shipper HGK Shipping, debuted in July, ...

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

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World's first hybrid solar cargo ship to sail with 192 panels for 37,500 kWh power yearly

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The inland shipping sector has reached a significant milestone with the launch of the Blue Marlin, the world's first cargo vessel capable of using solar power directly for propulsion.

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Financially, the initial cost of solar installation and retrofitting existing fleets with solar technology presents a steep barrier, with expenses ranging into the millions depending ...

With 192 solar panels installed, the Blue Marlin can generate up to 37,500 kilowatt-hours (kWh) of electricity each year. For the first time in inland shipping, this solar energy is ...

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