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Source of Huawei s solar inverters



Overview

Chinese companies made up nine of the 10 largest global inverter suppliers in 2024, with total inverter shipments reaching 589 GW (AC), according to Wood Mackenzie. Chinese conglomerate Huawei was the world's largest inverter supplier in 2024, followed by Sungrow, Ginlong Solis.

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HUAWEI FusionSolar advocates green power generation and reduces carbon emissions. It provides smart PV solutions for residential, commercial, industrial, utility scale, energy storage systems, and microgrids. It builds a product ecosystem centered on solar inverters, charge controllers, and energy.

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Global PV inverter shipments increased by 10% to 589 GWac in 2024, with growth occurring in Asia Pacific and the Middle East, while the US and European markets contracted, according to a report by Wood Mackenzie. Nine of the top 10 PV inverter suppliers are based in China. Huawei and Sungrow.

For the first time in Wood Mackenzie's 10 years of inverter market rankings, no vendor beyond the top two achieved more than 5% market share. Global PV inverter shipments grew by 10% to 589 gigawatts alternating current (GWac) in 2024, according to Wood Mackenzie's Global Solar Inverter Market.

Market Leadership with Proven Technology: Huawei maintains its position as the world's #1 solar inverter manufacturer for six consecutive years, commanding 29% of the global market through superior AI-powered optimization, 99% peak efficiency, and extensive R&D investment

representing 54.1% of.

Huawei remains a top-tier producer of photovoltaic inverters, commanding 23% of global market share as of Q1 2025 according to Wood Mackenzie's latest renewable energy report. But how did they achieve this dominance amidst fierce competition?

Let's unpack their strategic moves. With global solar. What is Huawei solar inverter?

The Huawei solar inverter has emerged as a dominant force in the global solar market, representing one of the most sophisticated and reliable inverter solutions available in 2025.

Why should you choose a Huawei inverter?

Huawei inverters offer high efficiency, reliability, and smart management features for optimal solar performance. Rigorously tested and certified, they ensure smooth operation under demanding conditions, making them the ideal choice for maximising solar energy production.

Which PV inverter suppliers are based in China?

Nine of the top 10 PV inverter suppliers are based in China. Huawei and Sungrow retained the top two positions for the 10th consecutive year, together accounting for 55% of the global market. Both companies achieved their highest ever market shares in 2024, said Joseph Shangraw, research associate at Wood Mackenzie.

Are Huawei solar inverters reliable?

Huawei solar inverters are highly reliable, backed by the company's position as the world's #1 inverter manufacturer for six consecutive years. The inverters undergo extensive testing including lightning strikes, extreme temperature cycling, and submersion tests.

How much does a Huawei inverter cost?

Comprehensive Value Proposition: With residential models starting at €785 and offering 10-year warranties, competitive pricing per kW, and advanced monitoring through the free FusionSolar platform, Huawei inverters deliver exceptional ROI with payback periods of 5-8 years in most markets.

Are Huawei solar inverters safe in 2025?

Huawei solar inverters incorporate several breakthrough technologies that set them apart from competitors in 2025. One of the most significant safety innovations in Huawei inverters is the AI-powered Arc Fault Circuit Interrupter (AFCI) system.

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