

SolarInvert Energy Solutions

Photovoltaic inverter shipments by 2025



Overview

Global inverter shipments are expected to increase 7% to reach 570 gigawatts alternating current (GWac), with an uptick in inverter shipments to the European market as inventory levels slowly rebalance, according to the latest forecast for the global inverter market from S&P Global Commodity Insights, the leading independent provider of information, data, analysis, benchmark prices and workflow solutions for the commodities and energy transition markets. How big is the global PV inverter market?

The global PV inverter market was valued at USD 34.6 billion in 2024 and is estimated to grow at a CAGR of 9.5% from 2025 to 2034. The paradigm shift toward the integration of renewable energy resources will fuel the adoption of efficient systems.

What was the market size of PV inverter in 2024?

The market size for PV inverter was valued at USD 34.6 billion in 2024 and is projected to reach USD 90 billion by 2034, growing at a CAGR of 9.5% during the forecast period. What was the market share of the three-phase segment in 2024?

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How will the global inverter market perform in 2025?

Following a challenging 2024, the global inverter market is expected to return to revenue growth, with total revenue estimated to reach just under \$20 billion in 2025.

What is the value of PV inverter industry?

Based on the product, the industry is segmented into string, micro, and central categories. The PV inverter market was valued at USD 25.5 billion, USD 29.9 billion, and USD 34.6 billion in 2022, 2023, and 2024, respectively.

How much is a microinverter worth in 2024?

Microinverters are valued at USD 2.9 billion in 2024 on account of their improved energy harvesting efficiency in comparison to traditional inverters, coupled with real-time monitoring and data collection at the individual panel level. Companies are supporting the product by introducing high-power micro inverters for C&I applications.

Will European inverter revenue rise in 2025?

Revenue in Europe is forecast to rise by 27% in 2025, driven by increased shipments to the residential segment, which suffered with consistently high inventory and reduced residential installations in 2024. However, European inverter revenue in 2025 will remain below 2023 levels as high levels of competition forces price reductions in the market.

Photovoltaic inverter shipments by 2025



PHOTOVOLTAIC MODULES AND INVERTERS

Mar 5, 2025 · As per the International Energy Agency (IEA), new solar capacity added between now and 2030 will account for 80% of the growth in renewable power globally. In calendar year ...

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PV Inverters Market Size to Hit USD 83.24 Billion ...

Jul 18, 2025 · PV Inverters Market Size and Forecast 2025 to 2034 The global PV inverters market size was estimated at USD 16 billion in 2024 and is predicted ...

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Sungrow, Huawei Lead PVBL 2025 Global Solar Inverter ...

June 14, 2025. By EI News Network At the 10th Century Photovoltaic Conference held in Shanghai on June 10, the Photovoltaic Brand Lab (PVBL) released its much-anticipated 2025 ...

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2025 energy storage inverter shipment ranking

The global PV demand of 201 gigawatts alternating current (GWac) in 2022 contributed to 48% growth year-over-year for PV inverters. In terms of inverter shipments, strong growth in ...

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Global solar inverter market share report 2025

Jul 10, 2025 · Report summary This report provides rankings of the top PV inverter manufacturers based on megawatts shipped, which are broken down ...

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Global PV inverter shipments grew by 56% in ...

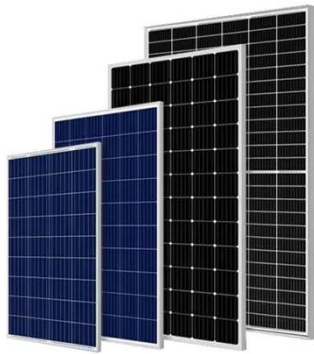
Aug 6, 2024 · Global PV inverter shipments grew by 56% to 536 gigawatts alternating current (GWac) in 2023, reflecting a strong year for the broader ...

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Global solar PV inverter shipments , Statista

Jul 14, 2025 · In 2024, global solar PV inverter shipments reached 589 gigawatts alternating current. Since



2018, inverter shipments worldwide have increased by almost 480 gigawatts.

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2025 energy storage inverter shipment ranking

HEFEI, July 11, 2024 - Sungrow, the global leading PV inverter and energy storage system provider, secured the top spot in the 2023 global PV inverter shipment rankings according to



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Global PV Inverter Shipments Grew by 10% in 2024 to 589 ...

On July 10th, Wood Mackenzie launched Global solar inverter market share report 2025. According to the report, global PV inverter shipments grew by 10% to 589 gigawatts ...

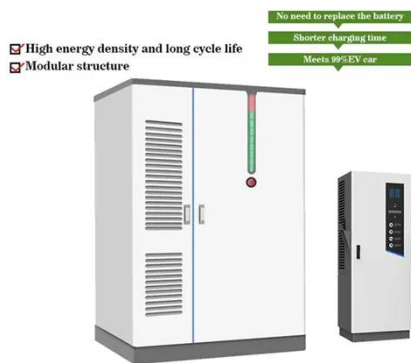
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APAC led 589GW global PV inverters shipments in 2024

Jul 11, 2025 · The APAC region has accounted for 69% of the 589GW solar PV inverters shipped in 2024, according

to a report from analyst Wood Mackenzie.

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Top 10 Global Shipments of Solar Modules in ...

Nov 19, 2024 · PVTIME - In terms of shipments in the first three quarters of 2024, there should be no suspense in the top 10 list of global PV module shipments, ...

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PV Inverter Market Trends, Share and Forecast, ...

PV Inverter Market size was valued at US\$ 15.33 billion by 2025 and is projected to grow from US\$ 42.54 billion in 2032 with CAGR of 15.7%.

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Huawei, Sungrow Held 55% of Global Inverter Market in ...

Jul 15, 2025 · Global PV inverter shipments grew by 10% to 589 gigawatts alternating current (GWac) in



2024, according to Wood Mackenzie's Global Solar Inverter Market Share Report ...

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Top PV module suppliers by shipment in H1 2025

Jul 28, 2025 · After thorough research and field visits by Solarbe and Solarbe Consulting, we hereby announce the 2025 first half-year PV module shipment rankings for your reference: ...



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China Leads 589 GW AC Global PV Inverter Shipments In 2024

Jul 11, 2025 · Global PV inverter shipments rose by 10% year-on-year to reach 589 GW AC in 2024, according to Wood Mackenzie's Global Solar Inverter Market Share Report 2025,

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Monthly Solar Photovoltaic Module Shipments Report

Source and disposition of photovoltaic module shipments U.S. shipments and sales to the original equipment

manufacturer (OEM) for resale and export shipments are not published for certain ...

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Top 10 solar inverter makers account for 82

Jul 8, 2022 · Global top 10 solar photovoltaic (PV) inverter vendors shored up 82% of market share in 2021, increasing by 2 percentage points compared to ...

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In 2025, China's Photovoltaic Inverter Industry Market

Dec 30, 2024 · Photovoltaic inverters are one of the balance of systems (BOS) of photovoltaic inverters in photovoltaic array systems and can be used with general AC-powered equipment. ...

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Infolink releases global ranking of photovoltaic ...

Mar 6, 2025 · Infolink Consulting has released the global photovoltaic module supply ranking for the first half of 2024.



In a survey of manufacturers, changes ...

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Top 5 global inverter trends to watch in 2025 - ...

Jan 30, 2025 · Global inverter shipments are expected to increase 7% to reach 570 gigawatts alternating current (GWac), with an uptick in inverter shipments ...

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2024 Top 20 Global Photovoltaic Inverter Brands ...

Dec 6, 2024 · PVTIME - Renewable energy capacity additions reached a significant milestone in 2023, with an increase of almost 50% to nearly ...

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2024 Top 20 Global Photovoltaic Module ...

Dec 6, 2024 · The revenue of the top 10 module manufacturers exceeded 700 billion yuan and the shipments exceeded

400GW in 2023, almost double the ...

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GEL Battery



Lithium Battery



Container storage system



Power Battery

PV Inverter Market Size, Share & Forecast Report, 2025-2034

The PV inverter market size crossed USD 34.6 billion in 2024 and is set to grow at a CAGR of 9.5% from 2025 to 2034, driven by positive outlook toward clean energy

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Clean Energy Technology Solutions

Aug 14, 2025 · Access pricing data, insights and analysis across key clean energy technologies, including solar, wind, hydrogen, batteries and other energy storage, and CCUS.

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Global PV inverter shipments grew by 10% in ...

Jul 10, 2025 · Asia Pacific, led by China, accounted for nearly all global growth, while the US and Europe declined. In

total, nine of the top 10 global PV ...

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AISWEI Tops Wood Mackenzie's Global Residential Inverter Shipment

Jul 27, 2025 · Recently, Wood Mackenzie, a leading global research authority in renewable energy, energy, and natural resource markets, officially released the 2024 global PV inverter ...

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2025 solar ranking , Wood Mackenzie

Jun 9, 2025 · The world's top 10 solar photovoltaic (PV) module manufacturers shipped a record 500 gigawatts (GW) of modules in 2024, nearly doubling the ...

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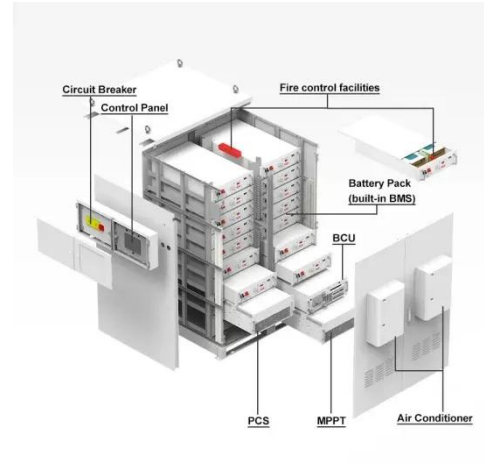


Huawei leads global inverter market as shipments hit 589 ...

Jul 11, 2025 · 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.

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Top 5 global inverter trends to watch in 2025 - ...

Jan 30, 2025 · After a challenging 2024, marked by high inventory levels and declining residential demand, the inverter market is set to recover in 2025.

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Global PV inverter shipments up 10% in 2024 , Asian Power

Jul 14, 2025 · The global shipments of PV inverters increased by 10% to 589 gigawatts alternating current (GWac) in 2024, according to Wood Mackenzie.

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