

# Solar energy market size





## Overview

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The global solar energy market size was calculated at USD 121.99 billion in 2024 and is projected to surpass around USD 389.86 billion by 2034, expanding at a CAGR of 12.32% from 2025 to 2034. The demand for solar is escalated by the initiative to reduce the reliance on fossil fuels. This increases.

The Solar Energy Market size in terms of installed base is expected to grow from 2.35 Thousand gigawatt in 2025 to 6.26 Thousand gigawatt by 2030, at a CAGR of 21.64% during the forecast period (2025-2030). This rapid expansion shows that the solar energy market has crossed the subsidy-dependence.

The global solar power market size was valued at USD 253.69 billion in 2023 and is projected to be worth USD 273 billion in 2024 and reach USD 436.36 billion by 2032, exhibiting a CAGR of 6% during the forecast period. North America dominated the solar power industry with a market share of 41.30%.

Global Solar Energy Market size was USD 112.93 Billion in 2024 and is projected to touch USD 141.61 Billion in 2025 to USD 619.11 Billion by 2033, exhibiting a CAGR of 20.25% during the forecast period [2025-2033]. The Solar Energy industry is witnessing rapid expansion driven by supportive.

The solar energy market size was valued at approximately USD 243.5 billion in 2024 and is projected to reach nearly USD 674.2 billion by 2034, registering a CAGR of 10.7% over the forecast period. The solar energy market expansion is primarily driven by the rapid global push for decarbonization.

The global solar energy market size was worth around USD 271.73 Million in



2024 and is predicted to grow to around USD 1090.78 Million by 2034 with a compound annual growth rate (CAGR) of roughly 13.6% between 2025 and 2034. The report analyzes the global solar energy market's drivers.



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### [Solar Energy Market Size, Share, Growth & Forecast 2032](#)

The report includes market size, segmental shares, growth trends, opportunities, and forecast between 2025 and 2032. Additionally, the report profiles the leading players in the industry, ...

### **Indonesia Solar Energy Market Size , Mordor Intelligence**

Indonesia Solar Energy Market Size & Share Analysis - Growth Trends & Forecasts (2025 - 2030) The Solar Energy in Indonesia Market is segmented by Connection Type (On-Grid and Off-grid). The report offers the ...



### [UK Solar Energy Systems Market Size & Outlook, 2030](#)

The solar energy systems market in UK is expected to reach a projected revenue of US\$ 9.0 billion by 2030. A compound annual growth rate of 14.2% is expected of UK solar energy systems market from 2023 to 2030.

### [Solar Energy Market Size, Share Global Analysis](#)

Solar Energy Market Size, Share, Growth Analysis Report By Technology (Photovoltaic (PV) Systems and Concentrated Solar Power (CSP), By



Application (Residential, Commercial, Industrial, and Utility-scale), By End-Use (On-Grid ...



### South Africa Solar Energy

The South Africa Solar Energy Market size in terms of installed base is expected to grow from 7.39 gigawatt in 2025 to 12.20 gigawatt by 2030, at a CAGR of 10.56% during the forecast period (2025-2030). Key Highlights Over the ...



### Solar Energy Market

The Solar Energy Market size was valued at USD 148.39 Billion in 2024 and the total Solar Energy revenue is expected to grow at a CAGR of 23.1% from 2025 to 2032, reaching nearly USD 782.52 Billion. Solar Energy Market Overview: ...



### [India Solar Power Market Size, Trends, Share, ...](#)

India Solar Power Market: Challenge Competition from conventional energy source Competition from traditional energy sources, particularly coal, is a major market expansion hurdle. India significantly relies on coal for electrical ...



### [Solar Energy Market Size USD 674.2 Bn by 2034](#)

Solar Energy Market Size The solar energy market size was valued at approximately USD 243.5 billion in 2024 and is projected to reach nearly USD 674.2 billion by 2034, registering a CAGR of 10.7% over the forecast period. ...



### [U.S. Solar PV Market Size, Share & Growth Report, ...](#)

U.S. Solar PV Market Size & Trends The U.S. solar PV market size was estimated at USD 29.68 billion in 2022 and is projected to grow at a compound annual growth rate (CAGR) of 13.7% from 2023 to 2030. Favorable policies ...

### [Solar Energy Market Size, Industry Analysis, Share, ...](#)

The global solar energy market size was worth around USD 271.73 Million in 2024 and is predicted to grow to around USD 1090.78 Million by 2034 with a compound annual growth rate (CAGR) of roughly 13.6% between 2025 and ...



### [Solar Energy Market Size, Trends & Growth Forecast ...](#)

The Solar Energy Market size was valued at USD 197.41 billion in 2023 and is expected to grow to USD 748.99 billion by 2032 and grow at a CAGR of 15.97 % over the forecast period of 2024-2032.



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