



Solar glass quantity and price





Overview

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The solar photovoltaic glass market size reached 32.10 million tons in 2025 and is forecast to reach 74.75 million tons by 2030, advancing at an 18.42% CAGR between 2025 and 2030. This sustained expansion reflects policy-driven installation targets, rapid cost deflation across the module supply.

BusinessAnalytiq provides a database of hundreds of market & price trend data, as well as online tools to set up benchmarks and leading indicators. This post is a summary of the PV solar cell glass price developments. The price developments of PV solar cell glass are expressed in US\$ prices.

The glass capacity in 2021, 2022, and 2023 was 46,000, 81,000, and 105,000 tons, with a year-on-year increase of 35+%, 70+%, and 30+%. As of now, the domestic glass capacity is about 99,000 tons, plus 5,850 tons overseas. In Q1 2024, the industry added 3,100 tons of new capacity and 650 tons of.

For residential solar panel installations, the cost of solar glass can range from about \$0.50 to \$2 per square foot. This cost is for standard - quality glass that meets the basic requirements for home solar systems. If you opt for high - end glass with advanced features, such as high light.

Moreover, the china solar pv glass market is projected to grow significantly,



reaching an estimated value of US\$ 9,871 million by 2031. The market refers to the global industry involved in the production, distribution, and application of specially designed glass used in photovoltaic (PV) solar. How big is the Solar Photovoltaic Glass market?

Image © Mordor Intelligence. Reuse requires attribution under CC BY 4.0. The solar photovoltaic glass market size reached 32.10 million tons in 2025 and is forecast to reach 74.75 million tons by 2030, advancing at an 18.42% CAGR between 2025 and 2030.

What are PV solar cell glass price developments?

This post is a summary of the PV solar cell glass price developments. The price developments of PV solar cell glass are expressed in US\$ prices converted FX rates applicable at the time when the price was valid. PV solar cell glass price index developments are calculated from multiple separate sources of data to ensure statistical accuracy.

What is the market size of Solar Photovoltaic Glass in 2024?

By manufacturing process, float lines delivered 68% of 2024 volume; rolled glass is forecast to post a 19.70% CAGR to 2030. By solar technology, crystalline silicon held 91% share of the solar photovoltaic glass market size in 2024, whereas CIGS cells are expected to grow at 23.61% CAGR between 2025 and 2030.

What is solar glass?

Solar glass is a specific kind of glass that is intended to collect and produce solar energy. It is sometimes referred to as photovoltaic glass or solar PV glass. It is utilized in many solar applications, particularly solar panels and building-integrated photovoltaics (BIPV).



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Solar Photovoltaic Glass Market Size, Share Analysis & Growth ...

Solar Photovoltaic Glass Market in Asia-Pacific
Solar Photovoltaic Glass Market in China
Solar Photovoltaic Glass Market in Japan
Solar Photovoltaic Glass Market in North America
Solar Photovoltaic Glass Market in United States
Solar Photovoltaic Glass Market in Europe
Solar Photovoltaic Glass Market in Germany
Solar Photovoltaic Glass Market in United Kingdom
Solar Photovoltaic Glass Market in South America
Solar Photovoltaic Glass Market in Middle East & Africa
The Asia-Pacific region dominates the global solar photovoltaic glass market with significant manufacturing capabilities and installations across major economies. China leads the manufacturing landscape, while Japan demonstrates strong technological advancement in the sector. India has been actively pushing toward...
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[Solar PV Glass Market Size, Price, Trends Forecast 2031](#)

The solar pv glass market size was valued at US\$ 20,086 million in 2024 and is expected to reach US\$ 25,817 million by 2031, growing at a significant CAGR of 5.3% from 2025-2031.





Solar Photovoltaic Glass Market Size & Outlook, 2025-2033

The global solar photovoltaic glass market size was valued at USD 17.04 billion in 2024 and is estimated to grow from USD 22.13 billion in 2025 to reach USD 179.08 billion by 2033, ...

PV Solar Cell Glass price index

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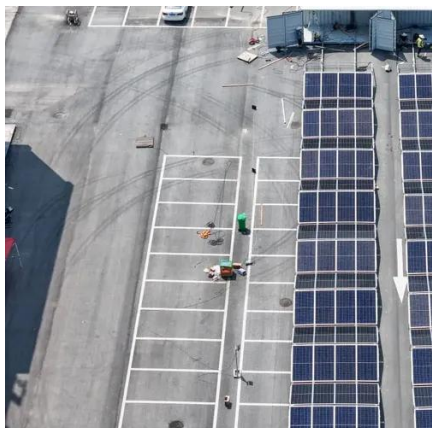
Solar glass trends and insights, with prices and costs

Understand the financial health of the leading solar glass suppliers to the industry in 2025, including cost structure and profits

How much does solar glass cost, NenPower

The average price for solar glass ranges from \$2 to \$4 per square foot, influenced by various factors, including quality, surface treatment, and manufacturing volume.





[Solar Glass Market Size, Trends, Growth Report, 2025-2033](#)

Installing solar PV glass varies in price depending on the nation and region, however it is typically more expensive in developing and growing economies. This will make it ...

How much does solar glass cost?

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Solar Glass Manufacturing Plant Setup Report 2025 Industry ...

(MENAFN - IMARC Group) Solar glass is a specially designed glass used in photovoltaic applications to protect solar cells while allowing optimal sunlight transmission. ...

[Insights into the PV Glass Sector: Capacity and Price Trends](#)

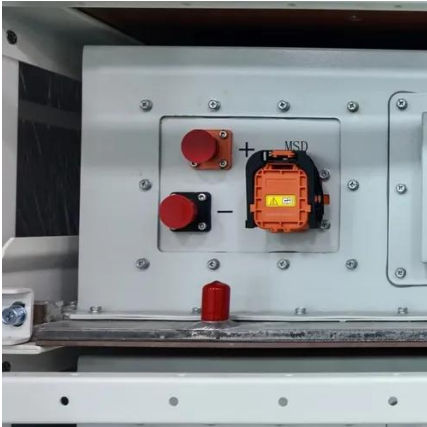
As of now, the domestic glass capacity is about 99,000 tons, plus 5,850 tons overseas. In Q1 2024, the industry added 3,100 tons of new capacity and 650 tons of resumption.





Solar Photovoltaic Glass Market Size, Share Analysis & Growth ...

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