
Estimated installed capacity of solar glass

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.

How many tons of glass are there in 2021?

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 resumption.

How many tons of glass a year?

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. Considering about 3,500 tons of repair, the actual increase in Q1 is limited. Q2 is expected to increase, with capacity expected to be concentrated in Q3-4.

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.

China's Ministry of Industry and Information Technology has revealed that the country's solar glass capacity reached 64,000 metric tons (MT) per day across 348 production lines from 38 ...

The Global Solar Council has set an aspirational target of 8 TW of total installed capacity by 2030, which is within our High Scenario projection for that year; however, the ...

Global solar PV manufacturing capacity has increasingly moved from Europe, Japan and the United States to China over the last decade. ...

Abstract Current solar photovoltaic (PV) installation rates are inadequate to combat global warming, necessitating approximately 3.4 TW of PV ...

Capacity Factor Definition: Capacity factors are influenced by power block technology,

storage technology and capacity, solar resources, expected downtime, and energy losses. The solar ...

Solar Photovoltaic Glass Market Analysis by Mordor Intelligence The solar photovoltaic glass market size reached 32.10 million tons in 2025 and is forecast to reach ...

The Group targets to add 6 new production lines with a total daily melting capacity of 6,400 tonnes in 2024, thereby increasing its total ...

We adjust our earnings estimates under the expectation of low solar glass selling price. We expect Xinyi Solar to add approximately 20,000 tpd of solar glass capacity and 2.23 GW of ...

PV glass is a crucial component in the photovoltaic industry that is used to cover and protect solar panels. In recent years, China's rapid expansion of solar energy has driven ...

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