

How many solar modules will the US produce in 2025?

The U.S. is on track to reach 13 GW of cell manufacturing capacity and 65 GW of module assembly in 2025, said a report from Clean Energy Associates. The United States is now the third-largest solar module manufacturer in the world, and more growth is on the way.

How many solar modules will the US produce in 2024?

In the first quarter of 2024 alone, US solar module manufacturing grew 71%, from 15.6 GW of annual production capacity to 26.6 GW, according to the Solar Energy Industries Association (SEIA). The SEIA said that at the end of the first quarter of 2024, the United States could meet about 30% of demand with domestically made solar modules.

Which country is the third-largest solar module manufacturer in the world?

The United States is now the third-largest solar module manufacturer in the world, and more growth is on the way. Clean Energy Associates (CEA) projects that the U.S. will reach 13 GW of solar cell manufacturing production and 65 GW of module manufacturing by the end of 2025.

How has solar module manufacturing changed over the years?

Solar module manufacturing has grown five-fold after the passage of critical federal energy policies. As a result, the United States is now the 3rd largest solar module producer in the world. Learn more about the surging American solar manufacturing sector. [About SEIA](#);

Which companies are making new solar panels?

New capacity has also come from Canadian Solar (with 5 GW more annual module production capacity), Longi and Invenegy joint venture Illuminate USA (5 GW, modules), and REC Silicon (6 GW, polysilicon), according to Reuters. Despite the ramp-up in factory announcements, there are also a number of cancellations.

Are solar modules still underserved?

But while the solar module manufacturing business is going strong, the upstream supply chain is still underserved. Many factory announcements have come to fruition, but some plans have already been scrapped. Since September 2023, Qcells has expanded its Georgia module factory to 8.4 GW and First Solar has increased production in Ohio to 6.3 GW.

Dec 11, 2024 [Data source: U.S. Energy Information Administration, Form EIA-63B, Annual Photovoltaic Module Shipments Report Note: Monthly data for 2024 are based on a subset of ...](#)

Nov 5, 2024 [The U.S. photovoltaic \(PV\) industry has experienced significant policy shifts due to the U.S.-China trade conflict, with the Section 201 tariffs being one of the most influential. ...](#)

