



# Solar module production capacity expansion project

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The new facility will span over one million square feet and is designed for the production of First Solar's Series 7 thin-film solar modules.

Growth in utility-scale and distributed solar PV more than doubles, representing nearly 80% of worldwide renewable electricity capacity expansion. Low module costs, relatively efficient permitting processes ...

In this article, we will explore the implications of this growth, the investments driving it, and its potential impact on job creation and future developments in solar technology.

In our STEO forecast, utility-scale solar is the fastest-growing source of electricity generation in the United States, increasing from 290 BkWh in 2025 to 424 BkWh by 2027. Almost 70 ...

The current US solar manufacturing ecosystem represents a comprehensive network of production capabilities that extends far beyond simple panel assembly, with domestic module ...

Each quarter, NREL conducts a presentation of technical trends within the solar industry.

The planned factory is set to have an annual production capacity of 3.7 gigawatts (GW) of solar modules, marking a major step in the company's broader strategy to boost its U.S. ...

In August 2025, the global photovoltaic industry witnessed a wave of intensive capacity expansion across Southeast and South Asia.

In 2020, SEIA set a goal for 50 GW of U.S. solar manufacturing capacity by 2030, equivalent to the power output from 27 Hoover Dams. This bold target focuses on all levels of the ...

The United States is now the third-largest solar module manufacturer in the world, and more growth is on the



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way. Clean Energy Associates (CEA) projects that the U.S. will reach 13 GW ...

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