

Solar panels in the western United States





Overview

Are solar panels made in USA?

Yes, solar panels are manufactured in the USA. In Q1 of 2025, about 8.6 GW of solar module manufacturing capacity was added to the record. Who is the largest manufacturer of solar panels in the US?

First Solar is the largest manufacturer of solar panels in the US with a production capacity of 10.6 GW as of June 2025.

Who makes the most solar panels in America?

Module Assembly: This represents the strongest segment of US solar manufacturing, with over 51 GW of annual capacity across dozens of facilities nationwide. First Solar remains America's largest solar manufacturer, specializing in cadmium telluride (CdTe) thin-film technology.

Which states make solar panels?

Other major manufacturing states include Arizona (2+ GW with First Solar and Meyer Burger), Florida (2 GW Jinko Solar), Minnesota (800 MW Heliene), and Washington (800 MW Silfab Solar). How much more do American-made solar panels cost compared to imports?

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How many solar installations are there in the United States?

In that same year, solar energy accounted for 55 percent of new electricity-generating capacity additions in the North American country. Of the total solar capacity installed in the U.S., over 26 percent corresponds to residential installations. This segment has grown in recent years, reaching some 4.7 million installations in 2023.



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[Solar Manufacturing Map](#)

This map provides information about all of the solar photovoltaic (PV) manufacturing facilities in the United States and how they contribute to the solar supply chain.

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[Millions of federal acres to soon open to solar ...](#)

The updated Western Solar Plan designates 31 million acres of federal land across those 11 states for potential utility-scale solar deployment, representing nearly 13% of the federal land the bureau oversees in the ...

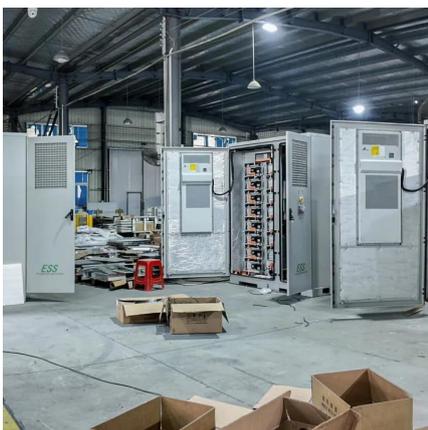
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U.S. government identifies 22 million acres for solar in western states

The Western Solar Plan, which will govern the leasing of US public land for solar, has been updated for the first time in more than a decade. It has identified 22 million acres (8.9 ...

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Millions of federal acres to soon open to solar construction out west

The updated Western Solar Plan designates 31 million acres of federal land across those 11 states for potential utility-scale solar deployment, representing nearly 13% of the ...



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Comprehensive guide to US solar manufacturing: capacity, major producers, supply chain analysis, and how to source American-made solar equipment in 2025.

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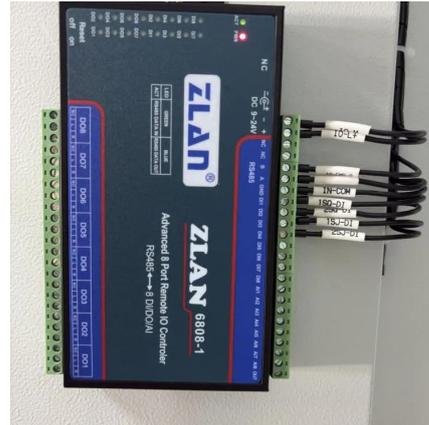




[The U.S. Large-Scale Solar Photovoltaic Database](#)

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Quantifying land-use metrics for solar photovoltaic projects ...

In the western US, the land-use implications of solar panel installations vary by region and system design, with an average capacity-based land-use efficiency of 24.7 ...

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[Managing Solar Photovoltaic Integration in the Western ...](#)

This report series was commissioned by the Western Interstate Energy Board (WIEB) as part of the Enhanced Distributed Solar Photovoltaic Deployment via Barrier ...

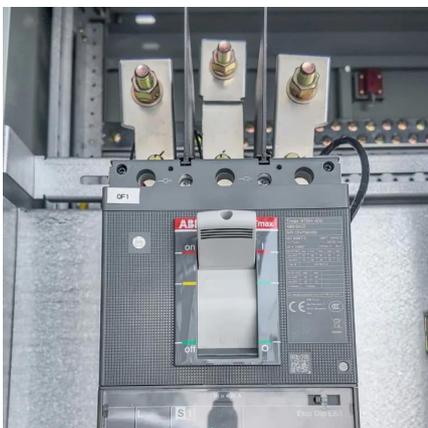
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[Top 10 Solar Panel Manufacturers in the USA \(2025\)](#)

Texas and Florida recorded maximum solar installations in the first half of 2025. While the US solar market continues to achieve milestones, solar panel manufacturers are ...

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[Residential solar market in the U.S.](#)

Number of homes with solar panels in the U.S. 2012-2032
Number of homes with solar panels in the United States in 2012 and 2024, with a forecast for 2032 (in millions)

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