

# **Solar panel factories under construction in the United States**





## Overview

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With this map, you can filter by product type and facility status, as well as create a drive-time radius from any map point to explore geographic distances to potential customers or suppliers. To view this map in fullscreen mode, click [here](#). You can also submit information regarding additions or corrections to the.

The module supply chain includes polysilicon, ingots, wafers, photovoltaic (PV) cells, modules, glass, backsheets, PV wire, encapsulants and more. In the PV module supply.

Solar mounting systems provide structural support, electrical bonding and grounding, cable management, spacing, sometimes tracking, and even wind and hail mitigation. Mounting system components being manufactured in the United States include rails, purlins.

The federal manufacturing tax credits and incentives for using American manufactured products have made domestically produced inverters more competitive.

There was limited American storage manufacturing designated to serve the U.S. battery energy storage system (BESS) market prior to the passage of federal manufacturing tax credits. The storage supply chain includes battery materials (anode and.

106 new solar and storage manufacturing facilities have come online because of federal manufacturing incentives and 48 facilities are under active construction. There are solar manufacturing facilities online or under construction in 43 states and Puerto Rico.



## Solar panel factories under construction in the United States

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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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### Solar manufacturing giants building, to build facilities ...

As of now, Trina Solar, JA Solar, JinkoSolar, LONGi and CSI Solar, the world's top five module manufacturers, have either established or ...

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### [Top 5 American solar panel manufacturers in 2025](#)

Key takeaways The top five solar panel manufacturers in the U.S. are First Solar, Qcells, Canadian Solar, Illuminate USA, and T1 Energy. These companies ...

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### [Solar panel manufacturers in the United States](#)

A current list of U.S. solar panel manufacturers that produce solar panels for the traditional



American residential, commercial and utility-scale markets.

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### [10 Leading Solar Energy Developers in the USA and Their ...](#)

It ranks among the largest independent power producers in the United States, managing a portfolio of more than 7 gigawatts of solar and storage projects that are ...

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### [Solar Market Insight Report 2024 Year in Review - SEIA](#)

The Low case also assumes solar product supply is more limited, which is driven by decreases in the imported solar product supply chain and more modest solar product ...

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

The U.S. Large-Scale Solar Photovoltaic Database  
The United States Large-Scale Solar Photovoltaic Database (USPVDB) provides the locations and array boundaries of U.S. ...

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## [\[2025\] Top 12 Biggest Solar PV Farms in USA](#)

Copper Mountain Solar Facility, Solar Star, and Ivanpah are few of the largest solar PV plant projects in the US. Check the complete list of 12 largest solar park projects in the USA.

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## **U.S. solar panel manufacturing capacity grew 4x since climate ...**

A domestic solar supply chain has been slowly strengthening in the U.S., but the viability of solar cell manufacturing in the United States is still up in the air.

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## [Solar giants bet big on US manufacturing](#)

Major solar panel suppliers have announced the construction of three new factories, collectively adding 15 GW of manufacturing capacity.

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## Manufacturing Megaprojects Tracker

First Solar Series 7 Plant (Alabama) Renewable Energy Solar panel factory making 3.5 gigawatts (GW) of fully vertically integrated nameplate solar ...

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## Canadian Solar Announces U.S. Solar Cell Manufacturing Facility ...

In addition, the Company has a total battery storage project development pipeline of 52 GWh, including approximately 2 GWh under construction or in backlog, and an additional ...

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## U.S. solar manufacturing boom "real -- but fragile," said CEA

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. The cell ...

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## U.S. Solar Manufacturing Capacity Meets National Demands: 50 ...

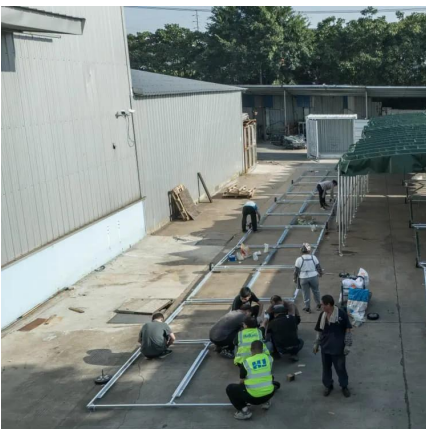
The U.S. has achieved a significant milestone in renewable energy by surpassing 50 gigawatts (GW) of domestic solar module manufacturing capacity, which should be enough ...

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## [US Solar Manufacturing Is Soaring -- New Facts](#)

"Despite the growth, American panel production is not done expanding -- there are more factories on the way, either announced or under construction.

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## [US solar factories: From announcements to reality](#)

Now that incentives from the US Inflation Reduction Act (IRA) are well understood, global manufacturers are announcing factories in the United ...

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## [Solar Industry Says Republican Policy Bill Would Cede ...](#)

A solar panel factory in Dalton, Ga. Tax incentives to stimulate domestic manufacturing of clean energy products are under threat by the Republican policy bill that the ...

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### [10 Leading Solar Energy Developers in the USA and ...](#)

It ranks among the largest independent power producers in the United States, managing a portfolio of more than 7 gigawatts of solar and ...

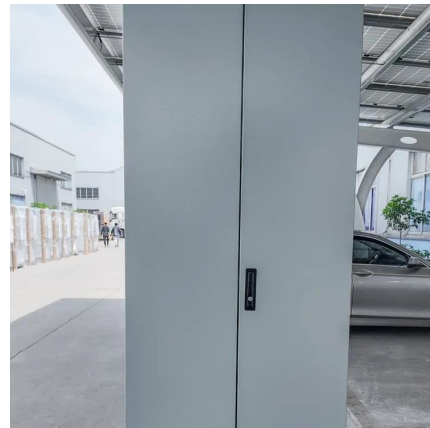
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### **U.S. solar panel manufacturing capacity grows almost 4x under**

Solar module manufacturing capacity in the United States now exceeds 31 GW -- a nearly four-fold increase since the Inflation Reduction Act (IRA) became law in 2022. ...

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### [Solar & Storage Supply Chain Dashboard](#)

106 new solar and storage manufacturing facilities have come online because of federal manufacturing incentives and 48 facilities are under active construction. There are solar ...

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## US solar manufacturing soars, but gaps and uncertainty persist

Since Biden enacted the IRA, solar companies have staked over \$34 billion for US factories, according to the Solar Energy Industries Association, with over 39,000 new factory jobs ...

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## [U.S. Solar Manufacturing Capacity: Q2 2024 Analysis](#)

U.S. solar module manufacturing capacity reaches over 31 GW in Q2 2024 under new federal incentives but continues to face resistance. This ...

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## [Which companies are making solar panels in the ...](#)

The United States is hopefully, fingers crossed, entering a solar module manufacturing renaissance. After having its domestic supply ...

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## Qcells will manufacture every part of a silicon solar panel in the

The company plans to add a third factory on-site that will produce 2 GW of panels annually. The Dalton campus will reach 5.1 GW of solar panel production later this year. ...

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### [U.S. solar manufacturing boom "real -- but fragile," ...](#)

Clean Energy Associates (CEA) projects that the U.S. will reach 13 GW of solar cell manufacturing production and 65 GW of module ...

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### [TotalEnergies Starts Up its Largest Utility-Scale Solar ...](#)

These new projects, with a combined capacity of 1.2 GW, are part of a portfolio of renewable assets totaling 4 GW in operation or under ...

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