

# U S public solar power generation equipment

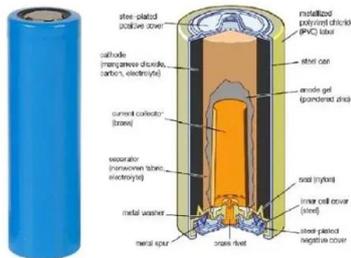


## Overview

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The United States Large-Scale Solar Photovoltaic Database (USPVDB) provides the locations and array boundaries of U. photovoltaic (PV) facilities with capacity of 1 megawatt or more. It includes corresponding PV facility information, including panel type, site type, and initial year. Lawrence Berkeley National Laboratory compiled and synthesized empirical data on the U. Solar power includes solar farms as well as local distributed generation, mostly on rooftops and increasingly from community solar arrays. In 2024, utility-scale solar power generated 219.8 terawatt-hours (TWh) in the United States. Total solar generation that year, including estimated small-scale. Our annual report on electricity generation capacity in the United States breaks down the current and imminent generation of electricity by type of fuel, location, and ownership type.

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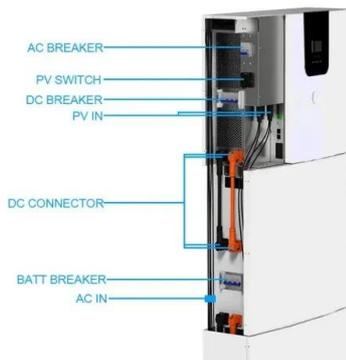


### [U.S. Utility-Scale Solar, 2025 Data Update](#)

Lawrence Berkeley National Laboratory compiled and synthesized empirical data on the U.S. utility-scale solar sector.

### Electricity in the U.S.

Solar photovoltaic and solar thermal power plants provided about 4% of total U.S. utility-scale electricity and accounted for 18% of utility-scale electricity generation from renewable sources ...



### [Spring 2025 Solar Industry Update](#)

o At the end of 2024, solar was the second-largest source of U.S. generation capacity, though still a growing percentage of the U.S. electric generation mix. o In 2024, solar represented ...

### [Solar Energy Program Overview](#)

Record sales, increased consumer and utility demand, enhanced federal and state incentives, new product development as support by the President's Solar America Initiative (SAI1), massive ...



### [Solar power in the United States](#)

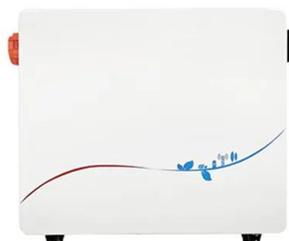
Overview Government support Solar potential History Solar photovoltaic power Concentrated solar power (CSP) See also Further reading

A complete list of incentives is maintained at the Database of State Incentives for Renewable Energy (DSIRE). Most solar power systems are grid connected and use net metering laws to receive compensation for electricity that is not consumed on site and exported to the grid. New Jersey leads the nation with the least restrictive net metering law, and California leads in total number of homes which have solar panels installed...



### [11 Solar Power Generation Equipment Manufacturers in 2025](#)

This section provides an overview for solar power generation equipment as well as their applications and principles. Also, please take a look at the list of 11 solar power generation equipment manufacturers ...



### [Solar photovoltaic industry in the U.S.](#)

Find up-to-date statistics and facts on the solar photovoltaic industry in the United States.



### [America's Electricity Generating Capacity](#)

Solar continues to be the main fuel type for new additions, with over 30,000 MW of solar energy added in 2024, nearly double the amount added in 2023. This report also analyzes prospective generation ...



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

The database combines datasets from the U.S. EIA, the Environmental Protection Agency (EPA) and the National Renewable Energy Laboratory (NREL). The locations and array boundaries of all ...



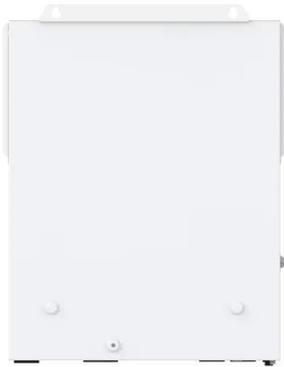
### **Solar Energy**

On this page you'll find resources to learn what solar energy is; how you, your business, or your community can go solar; and find resources for every step of the way.



### [Solar power in the United States](#)

In the first half of 2025, solar and wind together accounted for 91% of all new U.S. power generating capacity, continuing solar's dominance as the largest source of new electricity on the grid.



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