



Total number of solar power plants in the United States

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The database currently contains data for nearly 3,700 U.S. large-scale solar facilities across 47 states plus Washington, D.C. that became operational between 1986 and the end of 2021.

Each month, we track solar projects in the state and update our list of the largest solar farms in the US. As of February 2026, there are 6,960 utility-scale solar ...

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...

United States of America generates solar-powered energy from 3,272 solar power plants across the country. In total, these solar power plants has a capacity of 37905.2 MW.

The U.S. Solar Photovoltaic Database (USPVDB) provides the locations and array boundaries of U.S. front-of-the-meter, photovoltaic facilities, direct current ...

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

There are 877 Solar photovoltaic power plants in United States as of July, 2025. Our database covers major metropolitan areas including Rosamond and Starbuck, which feature substantial ...

Solar accounted for 58% of all new electricity-generating capacity added to the US grid through the third quarter of 2025, with more than 30 GW installed. Solar and storage, combined, ...



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Find statistics on electric power plants, capacity, generation, fuel consumption, sales, prices and customers.

In total, solar capacity in the United States grew 26% year-over-year to 184 GW.

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