
Solar energy installed in North America

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.

How much solar power does the US have in 2025?

Solar accounted for 56% of all new electricity-generating capacity added to the US grid in the first half of 2025, with a total of 18 GW installed. Combined, solar and storage accounted for 82% of new capacity in the first half of the year. The US added 4.3 GW of solar module manufacturing capacity in Q2, bringing the total to 55.4 GW.

Which state installed the most solar power in 2025?

Texas installed the most solar capacity in the first half of 2025 (3.8 GW dc), followed by California, Indiana, and Arizona. In Q2 2025, the residential segment installed 1,064 MW dc of solar capacity, declining 9% year-over-year and 3% quarter-over-quarter.

How much solar power did the US install in Q2 2025?

The US solar industry installed 7.5 gigawatts direct current (GW dc) of capacity in Q2 2025, a 24% decline from Q2 2024 and a 28% decrease since Q1 2025. Solar accounted for 56% of all new electricity-generating capacity added to the US grid in the first half of 2025, with a total of 18 GW installed.

US added 2 GW of solar in September, putting 2025 ahead of 2024 for new solar generation. Solar accounted for three-quarters of new generation installed so far this year, ...

The US solar industry added 11.7 GWdc of new capacity in the third quarter of 2025, its third best quarter on record, despite a hostile policy environment, according to the US Solar ...

Solar is becoming a dominant renewable energy source, contributing to cleaner air and healthier communities. Recent data from SEIA shows that over half of these solar ...

Top 50 operating solar portfolios: North America 2025 The US solar industry experienced an extraordinary year in 2024, building on the previous year's momentum. By Q3 ...

North America Solar Photovoltaic (PV) Market Analysis by Mordor Intelligence The North America Solar Photovoltaic (PV) Market size in terms of installed base is expected to ...

Solar power installation in North America is extensive, reflecting significant growth and investment in renewable energy. As of 2023, approximately 165 gigawatts (GW) of solar ...

Should FERC's three-year forecast materialize, by mid-fall 2028, utility-scale solar would account for more than 17% of installed U.S. generating capacity. Small-scale solar such ...

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