

Newly installed solar power generation capacity nationwide



Overview

In 2024, generators added a record 30 GW of utility-scale solar to the U. We expect this trend will continue in 2025, with 32. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory report. This amount represents an almost 30% increase from 2024 when 48. 6 GW of capacity was installed, the largest. The American Public Power Association is the voice of not-for-profit, community-owned utilities that power approximately 2,000 towns and cities nationwide. We represent public power before the federal government to protect the interests of the more than 55 million people that public power utilities. Solar and wind accounted for 91% of new US electrical generating capacity added in the H1 2025, according to data just released by the Federal Energy Regulatory Commission (FERC), which was reviewed by the SUN DAY Campaign of data. This surge highlights a significant shift towards cleaner energy solutions as more states. of PV were added globally, bringing the cumulative installed capacity to 2.

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The U.S. installed record-breaking 50 GW of new solar capacity in 2024

The United States installed a record-breaking 50 GW of new solar capacity in 2024, the largest single year of new capacity added to the grid by any energy technology in over two decades. ...

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FERC: Solar + wind made up 91% of new US power generating capacity

...

Solar and wind accounted for 91% of new US electrical generating capacity added in the H1 2025, according to data just released by the Federal Energy Regulatory Commission (FERC), ...



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U.S. developers report half of new electric generating capacity will

Developers added 12 gigawatts (GW) of new utility-scale solar electric generating capacity in the United States during the first half of 2025, and they plan to add another 21 GW in the ...

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FERC: Renewables made up 88% of

new US power generating capacity

...

Newly published data from the Federal Energy Regulatory Commission (FERC), reviewed by the SUN DAY Campaign, reveal that solar accounted for over 75% of US electrical generating ...

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50KW modular power converter



America's Electricity Generation Capacity, 2025 Update

A majority of all new generation capacity under development is for solar energy (55%), followed by wind (26%) and natural gas (11%). However, over two-thirds of the wind capacity is in the proposed stage, ...

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Solar, battery storage to lead new U.S. generating capacity additions

In 2024, generators added a record 30 GW of utility-scale solar to the U.S. grid, accounting for 61% of capacity additions last year. We expect this trend will continue in 2025, with 32.5 GW of new utility ...

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Spring 2025 Solar Industry Update

Distributed generation made up nearly 63% of new solar PV capacity in 2024. In 2024, Brazil increased tariffs on



imported solar modules to 25% to shield their 5 GW of local manufacturing ...

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Solar Market Insight Report - SEIA

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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Solar providing more than 75% of nation's new power generation ...

In the first nine months of 2025, more than three-quarters of the electrical generating capacity added in the United States was solar power, according to new data published by the ...

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Solar and wind dominate new US power capacity in 2025

In the first quarter of 2025, renewable energy sources, particularly solar and wind power, dominated new electric generating capacity in the United States,

accounting for an impressive 96% ...

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