

Overview

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 second half of the year, according to our latest survey of electric generating capacity changes. 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. New Jersey is making significant strides in its clean energy initiatives, achieving a remarkable milestone in solar energy capacity. As of December 2024, the state has successfully doubled its installed solar capacity to reach an impressive 5 gigawatts (GW) since 2017. This significant accomplishment underscores New Jersey's role as a. Saudi Arabia and Turkey agreed to develop up to 5,000 MW of solar power in Turkey, with USD 2 Billion investment, 30-year offtake, and projects supplying 2 million homes.

5 GW of solar



Saudi Arabia, Turkey Ink 5 GW Solar Deal for 5 GW Solar Project

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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 ...



Electricity generation from U.S. solar grows 28% year-over-year

Utility-scale solar capacity reached 128.6 GW in March 2025, growing from 96.9 GW in March 2024, while small-scale solar, projects of 1 MW or less, reached 55.7 GW in March 2025, ...



State doubles solar capacity to 5GW

since 2017

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Lithium battery parameters

Product capacity: 100Ah

Product size: 135*197*35mm

Product weight: 1.82kg

Product voltage: 3.2V

internal resistance: within 0.5



Renewables make up 91% of the 15 GW of generation the US added ...

The United States added more than 15 GW of new electricity generation resources between January and May this year, led by 11.5 GW of solar, followed by 2.3 GW of wind and 1.3 ...

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

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Global solar installations surge 64% in first half of 2025

Global solar installations are on track for another record year. In the first six months of 2025, the world added 380 GW of new solar capacity -- 64% higher

than during the same period in ...



Solar Market Insight Report Q3 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 ...



New Jersey celebrates 5 GW solar milestone

In December 2024, the state achieved 5 GW of installed solar capacity, more than doubling its solar energy output since 2017.

Solar Market Insight Report Q4 2025

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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