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Title: Investment in grid-connected solar power generation capacity

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Active capacity in U.S. interconnection queues increased nearly eight-fold over the last decade, and is now more than twice the total installed capacity of the existing U.S. power plant fleet.

Almost 1,000 gigawatts (GW) of solar projects are waiting for connection across Europe and the United States (which is close to four times the amount of new solar capacity installed globally ...

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 ...

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 ...

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 ...

According to the US Solar Market Insight 2024 Year in Review report released today by the Solar Energy Industries Association (SEIA) and Wood Mackenzie, solar and storage account for ...

The United States installed a record-breaking 50 gigawatts (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 ...

For this report, we developed the Grid Delay Case to explore the impacts of more limited investment, modernisation, digitalisation and operational changes than are envisioned in the IEA's climate ...

In 2024, over 30,000 MW of solar capacity came online, which is a 30% increase in operating solar capacity. An additional 34,000 MW are under preparation, testing, or construction and projected to ...



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