Solar power generation capacity improvement

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According to the U.S. Energy Information Administration (EIA), solar energy is expected to account for a significant portion of the new electricity generating capacity additions in the U.S. ...

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 ...

Solar delivered two-thirds of the new US power capacity in August, marking two years in which it led every month across all energy sources.

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 ...

In our STEO forecast, utility-scale solar is the fastest-growing source of electricity generation in the United States, increasing from 290 BkWh in 2025 to 424 BkWh by 2027. Almost 70 ...

A new IEEE report shows solar dominated new generation in 2024, with 70% of added global capacity from PV and record installations in China and the United States.

Solar has now been the largest source of new generating capacity added each month for two years straight: September 2023-August 2025. During that period, total utility-scale solar capacity ...

Total global renewable power generation capacity - a key energy transition driver on the supply side - will need to more than triple from the 2022 level under the 1.5 ° C Scenario, with solar PV and wind ...

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