Solar power generation capacity expansion plan

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. ...

The quick summary: Solar and battery storage are set to dominate new US electricity generation capacity in 2025, with 32.5 GW of solar additions planned to help create a more ...

Solar has now been the largest source of new generating capacity added each month for two consecutive years, between September 2023 and August 2025.

EIA projects that solar, wind and battery storage systems will expand their respective generation shares notably by 2035, due to their currently much-faster growth rates. In 2025, both...

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 ...

Discover how advancements in solar, battery storage, and AI are driving the U.S. generating capacity expansion, with a projected 63 GW increase in 2025.

Solar deployment and electric vehicle (EV) sales broke records in 2023 and 2024. Renewables now dominate new power generation capacity, while new domestic clean energy ...

Globally, renewable power capacity is projected to increase almost 4 600 GW between 2025 and 2030 - double the deployment of the previous five years (2019-2024). Growth in utility-scale and distributed ...

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 ...

EIR projects a 57% increase in installed U.S. power capacity by 2050, driven by three distinct eras: rapid solar energy growth through 2028, a mid-term shift as coal-fired power is fully ...

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