2025 Solar power generation

With deployment surging across key markets and China"s rapid scale-up pushing global installations to new highs, 2025 is on track to become another historic year for solar power.

According to the US Energy Information Administration (EIA), developers plan to add 64 gigawatts (GW) of new utility-scale capacity in 2025, surpassing the previous record of 58 GW set in ...

Solar panels and batteries lead the US power generation in 2025. Explore their impact and join the renewable energy revolution today!

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.

The U.S. solar market hit record 2025 growth with 18 GW added, but faces policy, financing, and supply chain challenges shaping future trends.

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 and wind growth met all new power demand in 2025, pushing fossil generation to stall for the first time since the pandemic.

US electricity demand jumped by 135 terawatt-hours (TWh) in 2025, a 3.1% increase, the fourth-largest annual rise of the past decade. Over that same period, solar generation grew by a ...

- In Q1 2025, solar accounted for 10% of China"s total energy generation. o Renewable sources continue to capture a larger share of China"s growing electric capacity.

The increase in solar PV capacity is set to more than double over the next five years, dominating the global growth of renewables. Low costs, faster permitting and broad social acceptance continue to ...

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