Solar power generation capacity expansion project

Overview

Project developers and utility operators are preparing for a historic expansion of the U. 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. From Texas-sized utility projects to skyrocketing residential battery attach rates, 2026 marks the year solar and storage transition from the electric grid's fastest-growing additions to its foundational pillars. Energy Information Administration, a record if realized. The. 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 solar PV more than doubles, representing nearly 80% of worldwide renewable electricity capacity. The United States added 2 GW of utility-scale solar to the grid in September, bringing total solar installed this year to 21 GW — slightly above the 20 GW installed over the same period last year, according to the Federal Energy Regulatory Commission's latest monthly infrastructure update.

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Article Content

Solar, storage to lead record 86 GW of US capacity in 2026

Project developers and utility operators are preparing for a historic expansion of the US electric grid, with 86 GW of new utility-scale generating capacity slated to come online in 2026 ...

U.S. Power Grid to Add Record 86 GW of Capacity in 2026

Solar power leads 2026 generation additions “We expect 2026 to be another big year for solar additions, similar to the record utility-scale solar capacity added to the U.S. grid in 2024 (30.8 ...

Solar and storage to lead record-breaking 86 GW of new U.S.

Project developers and utility operators are preparing for a historic expansion of the U.S. electric grid, with 86 GW of new utility-scale generating capacity slated to come online in 2026. ...

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 ...

US added 2 GW of solar in September, putting 2025 ...

Enverus Intelligence Research recently released its long-term U.S. power capacity expansion outlook, which projected a 57% increase in installed ...

EIA: US to add record 43.4GW of new solar PV capacity in 2026

Developers are forecast to add a record 43.4GW of new utility-scale solar PV capacity to the US power system in 2026, according to the EIA.

U.S. Power Capacity Additions To Hit Record 86 GW In 2026 Led By ...

Power plant developers and operators plan to add 86 gigawatts (GW) of new utility-scale electric generating capacity to the national grid next year. If achieved, this would mark the highest ...

U.S. Power Capacity Additions Set to Reach Record High in 2026

The US Energy Information Administration reports that developers in the United States plan to add about 86 gigawatts (GW) of new utility-scale electric generating capacity in 2026, which would ...

Renewable electricity – Renewables 2025 – Analysis

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Growth in utility-scale and distributed solar PV more than doubles, representing nearly 80% of worldwide renewable electricity capacity expansion. Low module costs, relatively efficient permitting processes …

Solar Market Insight Report – SEIA

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, …

Contact Us

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