Artificial solar power generation capacity

Data from 2007 through 2024. Source: Berkeley Lab, Utility-Scale Solar Data Update 2025

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 ...

Solar and wind accounted for 91% of new US electrical generating capacity added in the H1 2025, according to data just released by the Federal Energy Regulatory Commission (FERC), ...

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 ...

Depending on the data, this can include standardizing country names and world region definitions, converting units, calculating derived indicators such as per capita measures, as well as ...

In 2024, renewable power capacity expansion increased compared to 2023 and remained well above the long-term trend. As in previous years, most of this expansion occurred in China and, to a lesser ...

Solar continues to dominate new electricity generation capacity added to the grid in the United States, according to the Energy Information Administration"s (EIA) latest release of its Electric ...

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.

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 ...

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.

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