Photovoltaic power generation adds new panels

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. through 2025, ...

Solar accounted for 75% of electricity generation capacity added to the U.S. power grid early this year as installations of panels rose to a quarterly record, according to a report published by...

Over the next 2 years, virtually all new electric generation capacity will be PV, batteries, and wind. 10 GWac of natural gas additions are also projected over that time.

Today, the latest solar panel technology advancements have led to panels achieving conversion efficiencies of over 20%, with some even reaching 25%. This means that solar PV systems can now convert ...

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 decades.

This article explores recent advancements in solar panel technology, policies encouraging adoption, leading states, and prospects for solar energy in the US by 2025.

Unlike traditional panels that only collect light from the front, these innovative panels can absorb reflected light from the ground on their rear surface, increasing their overall energy production by 5-30%, ...

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-scale solar ...

We explore the nine most exciting developments in the solar industry in 2025, from indoor solar panels to "two-for-one" fission.

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