Summary and Outlook of Solar Photovoltaic Power Generation

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 ...

In the last few years, solar energy has been the main driver for renewable energy growth worldwide. In 2024, solar photovoltaic capacity additions surpassed 600 gigawatts, accounting for ...

Policymakers in some of the world"s largest economies are reducing support for solar power generation. Even so, Goldman Sachs Research expects rapid growth in the sector, with global ...

Solar accounted for 81% of all new renewable energy capacity added worldwide. While remaining a modest contributor to overall electricity generation for now, solar"s share rose to 7% in ...

We expect solar electric generation will be the leading source of growth in the U.S. electric power sector. In our January Short-Term Energy Outlook (STEO), which contains new forecast data ...

Each quarter, the National Renewable Energy Laboratory conducts the Quarterly Solar Industry Update, a presentation of technical trends within the solar industry.

In our latest Short-Term Energy Outlook (STEO), we expect U.S. electricity generation will grow by 1.1% in 2026 and by 2.6% in 2027, when it reaches an annual total of 4,423 BkWh.

While our commercial and community solar outlooks have risen slightly due to enhanced project pipeline visibility, we"ve downgraded our residential outlook as tight module availability is ...

Photovoltaic (PV) solar accounted for 56% of all new electricity-generating capacity additions in the first half of 2025, remaining the dominant form of new electricity-generating capacity ...

o Utility-scale solar (including PV and CSP technologies) and C& I PV electricity production dropped by 46% from its summer peak (July 2024) to its winter low (December 2024), ...

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