



SolarTech Power Solutions

New solar panels in the United States



Overview

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Note: Capacity values represent the amount of generating capacity at utility-scale power plants (greater than 1 megawatt). Other renewables include geothermal, waste biomass, wood biomass, and pumped storage hydropower. In our latest Short-Term Energy Outlook (STEO), we expect that U.S. renewable.

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Solar power is the leading capacity deployed in the United States, accounting for roughly 75% of capacity deployed in January and February, with the trend expected to continue for at least three years out. Over the next three years, the United States is projected to tear down 25.5 GW more.

Utility-scale solar posts record growth in 2024; projected to supply most of the nation's increase in electricity generation in 2025 and 2026. The Energy Information Administration (EIA) reported that, in 2024, the United States added a record 30 gigawatts (GW) of utility-scale solar to the grid.

As of the first quarter of 2025, the U.S. residential solar segment has added about 1,106 MWdc, bringing cumulative domestic solar power capacity to around 239 GW— enough to power over 50 million homes nationwide. Technological developments in solar panel and system design, favorable regulations.

The U.S. Energy Information Administration (EIA) has released a new forecast indicating that the growth of electricity generation in the United States will be significantly influenced by an increase in solar energy capacity. According to their latest short-term energy outlook, utilities and

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