

The United States restarts solar power generation



Overview

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, accounting for 61% of new capacity additions to the U. Electricity generation by the U. In our latest Short-Term Energy Outlook (STEO), we expect U. 6% in 2027, when it reaches an annual total of 4,423 BkWh. Solar continues to dominate new electricity generation capacity added to the grid in the United States, according to the Energy. In the topsy-turvy world of US energy policy, solar power has been pushed aside while other renewables — namely hydropower, biomass, and geothermal — have earned the support of President Donald Trump's “American Energy Dominance” program. Solar power generation has increased drastically over the past two decades, especially since 2011, when it hovered just below two terawatt. The U. Climate Central's new report, A Decade of Growth in Solar and Wind Power, analyzed U. solar and wind energy data from 2014 to 2023 for all 50 states and the District of Columbia.

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[Trump Administration Is Delaying Hundreds of Wind and Solar Projects](#)

The extra layer of scrutiny for wind and solar contrasts with actions by the Trump administration to make it easier and cheaper for companies to produce oil, coal, gas and nuclear power.

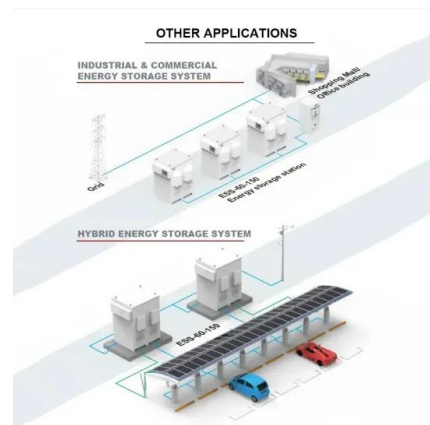


[A Decade of U.S. Solar Growth](#)

The U.S. produced more solar power in 2023 than ever before - part of a decade-long growth trend for renewable energy.

[Electricity generation from U.S. solar grows 28% year-over-year](#)

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 ...



[Record-breaking year ahead for US power generation with](#)

The US is experiencing its most transformative year for electricity generation in over 20 years, driven by a surge in solar energy and backed by large-scale battery storage.



[Solar providing more than 75% of nation's new power generation ...](#)

In September, 98% of new electric generating capacity in the United States came from solar, marking 25 consecutive months where solar led other energy sources.



[Solar energy on the rise in America](#)

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, accounting for 61% of new ...



[US Expects To Add 32 Gigawatts Of Solar Power In 12 Months](#)

After all, electricity demand in the US is going through the roof and solar is the most abundant, accessible, and economical domestic energy resource available today. The US Energy



[Solar power generation drives electricity generation growth over the](#)

We expect the combined share of generation from solar power and wind power to rise from about 18% in 2025 to about 21% in 2027. In our STEO forecast, utility-scale solar is the fastest ...



[US restarts solar, storage permitting but agency gaps ...](#)

The U.S. has resumed permitting of solar and storage on federal land but developers face a lack of agency staff and uncertainty over tax credits.



[U.S. solar power generation 2024, Statista](#)

In 2024, net solar power generation in the United States reached its highest point yet at 218.5 terawatt hours of solar thermal and photovoltaic (PV) power.



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