



U S Solar Power Generation System

Is solar power the future of electricity generation?

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 Power Monthly report with data through March 2025.

How many GW of solar generating capacity will come online in 2026?

Almost 70 gigawatts(GW) of new solar generating capacity projects are scheduled to come online in 2026 and 2027, which represents a 49% increase in U.S. solar operating capacity compared with the end of 2025. Much of the utility-scale solar generation capacity additions will come online in Texas.

How many GW of solar will be added in 2024?

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.S. electric grid last year. EIA expected a similar amount of new utility-scale solar capacity to be added in 2025 and 2026.

Is solar power a 'American energy dominance'?

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. That's just plain weird.

In our STEO forecast, utility-scale solar is the fastest-growing source of electricity generation in the United States, increasing from 290 BkWh in 2025 to 424 BkWh by 2027. Almost 70 ...

Solar power really is the fastest, most economical way to address the "energy emergency" declared by US President Donald Trump.

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

The United States is set to achieve its largest annual increase in electricity generation capacity in more than two decades. According to the US Energy Information Administration (EIA), ...

We expect 63 gigawatts (GW) of new utility-scale electric-generating capacity to be added to the U.S. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory ...

Electricity generation from solar continues to grow alongside capacity additions. For the rolling 12 months ending March 2025, solar facilities, including utility-scale and small-scale projects, ...

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Solar energy is the fastest growing and most affordable source of new electricity in America. As the cost of solar energy systems dropped significantly, more Americans and businesses ...

Solar power includes solar farms as well as local distributed generation, mostly on rooftops and increasingly from community solar arrays. In 2024, utility-scale solar power generated 218.5 terawatt ...

Solar, wind, and batteries are set to supply virtually all net new US generating capacity in 2026, according to the latest EIA data.

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