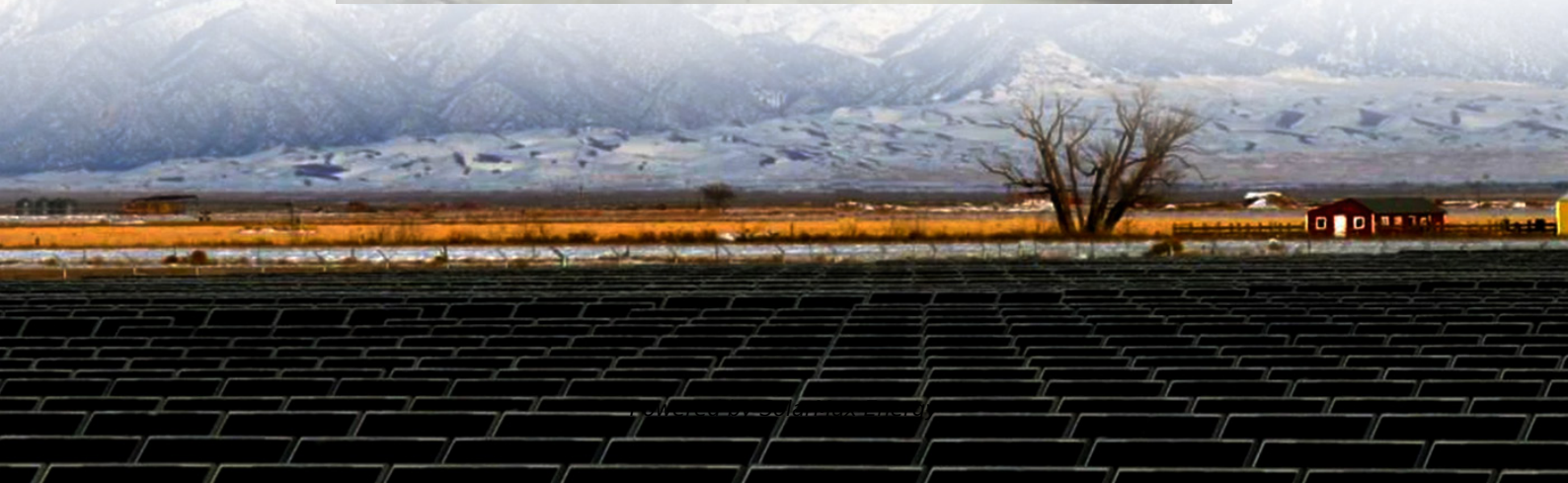


A new generation of solar power generation for home use in the United States





Overview

Developers added 12 gigawatts (GW) of new utility-scale solar electric generating capacity in the United States during the first half of 2025, and they plan to add another 21 GW in the second half of the year, according to our latest survey of electric generating capacity changes. 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 are there in 2025?

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How much solar power will the electric power sector add in 2025?

We expect U.S. utilities and independent power producers will add 26 gigawatts (GW) of solar capacity to the U.S. electric power sector in 2025 and 22 GW in 2026. Last year, the electric power sector added a record 37 GW of solar power capacity to the electric power sector, almost double 2023 solar capacity additions.

Which energy sources will grow in 2025 & 2026?

In contrast to solar and wind, generating capacity for most other energy sources will remain mostly unchanged in 2025 and 2026. Natural gas-fired capacity growth slowed in 2024, with only 1 GW of capacity added to the power mix, but natural gas remains the largest source of U.S. power generation.

How many GW of solar generating capacity was connected to the grid?



From pv magazine USA Nearly 50 GW of new solar generating capacity was connected to the U.S. power grid in 2024, per the 2025 Sustainable Energy in America Factbook. The 13th annual report, released by the Business Council for Sustainable Energy and BloombergNEF, tracks policy and market trends in the American energy industry.

How many GW of electric generating capacity will be retired in 2025?

Of the 8.7 GW of electric generating capacity that U.S. operators plan to retire during 2025, only 2.0 GW was retired in the first half of the year.



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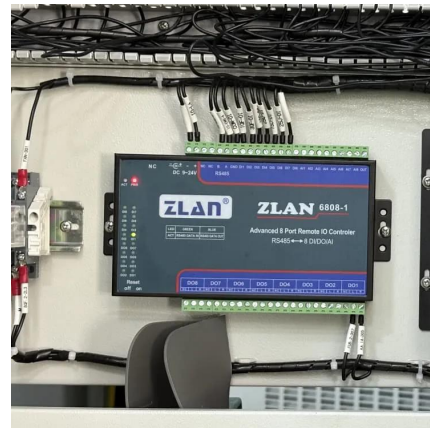


How and Where Is Solar Energy Used in the US? , EcoFlow US

How Much Solar Energy Is Used in the United States? Solar accounted for about 7% of all energy generation in the United States in 2024, with approximately 238,121 gigawatt-hours produced ...

[Solar and storage accounted for 84% of new US ...](#)

Solar and energy storage accounted for 84% of new electricity generation capacity added to the U.S. power grid last year, but the industry ...



New solar plants expected to support most U.S. electric ...

In our latest Short-Term Energy Outlook (STEO), we expect that U.S. renewable capacity additions--especially solar--will continue to drive the growth of U.S. power ...



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

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 ...



5 Million Solar Installations: Powering American Communities

There are over 5 million solar installations in the United States, delivering clean, affordable, reliable energy to American communities.



Solar generation reaches new high

Solar generation reaches new high Global solar power generation rose by 30% in 2024, exceeding 2,000 terawatt-hours (TWh). In absolute ...



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 ...





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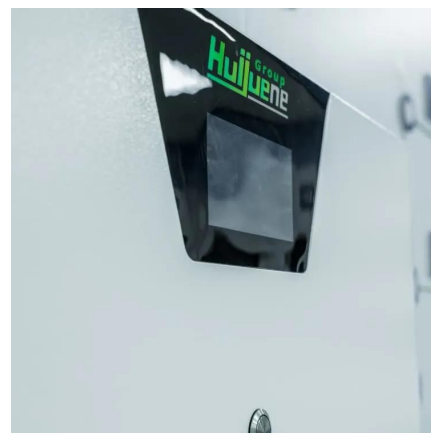


New Solar Plants to Power Majority of US Electricity Generation ...

(Reuters) - The U.S. Energy Information Agency expects growth in U.S. power generation over the next two years to be mostly driven by new solar plants, it said on Friday.

Solar Market Insight Report Q3 2025

4 days ago· 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 ...



[Solar and wind to lead growth of U.S. power ...](#)

In our latest Short-Term Energy Outlook, we forecast that wind and solar energy will lead growth in U.S. power generation for the next two years. ...



Electricity in the U.S.

The three major categories of energy for electricity generation are fossil fuels (coal, natural gas, and petroleum), nuclear energy, and renewable energy. Most electricity is ...



[New solar plants to boost US electricity generation](#)

EIA forecasts new solar plants will boost US electricity generation. Explore how this shift impacts energy and the future. Act now!

FERC: Solar + wind made up 91% of new US power generating ...

Solar and wind accounted for 91% of new US electrical generating capacity added in H1 2025, according to data just released by FERC.



Short-Term Energy Outlook

Electricity generation from renewable energy sources has been growing steadily in the United States over the past decade. Last year, electric ...



Solar continues to dominate new generation for now

The United States added about 12 GW of generating resources between January and April of this year, mostly from solar, according to the ...

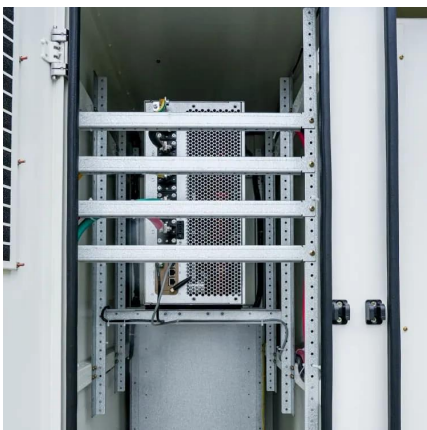


US added nearly 50 GW of new solar generating ...

A new report by the Business Council for Sustainable Energy and BloombergNEF unpacks the market and policy trends facing the U.S. solar ...

New solar plants expected to support most U.S. electric generation

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U.S. developers report half of new electric generating capacity will

Developers added 12 gigawatts (GW) of new utility-scale solar electric generating capacity in the United States during the first half of 2025, and they plan to add another 21 GW ...



Rockford Solar - New Generation Power

The 62 MW Rockford Solar Farm Project is located at the Chicago Rockford International Airport in Rockford, Illinois, USA is one of the largest commercial airport solar farms in the United ...

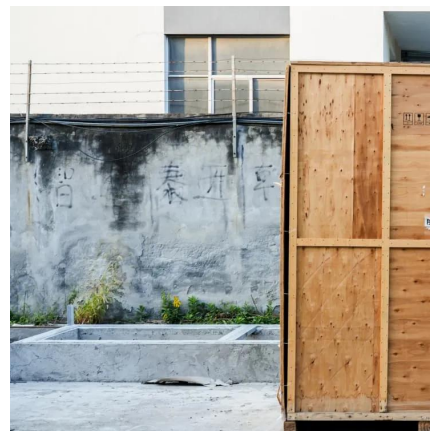


Solar energy on the rise in America

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% ...

US added nearly 50 GW of new solar generating capacity in 2024

A new report by the Business Council for Sustainable Energy and BloombergNEF unpacks the market and policy trends facing the U.S. solar industry.



The Energy Transition: 2019-24 and Beyond , IEEFA

The National Outlook The U.S. energy transition is moving faster than most realize. National generation data through the end of 2024 shows ...



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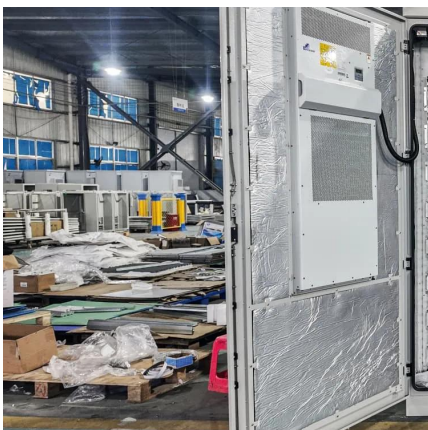


EIA predicts new solar plants to drive US electricity ...

The US Energy Information Agency (EIA) has forecast that power generation growth in the country up to 2027 will be driven predominantly by ...

[A sizzling spring for U.S. solar , IEEFA](#)

Florida Power & Light (FPL), the largest utility in the U.S., has aggressive plans for solar. According to a 10-year resource plan, filed with ...



Electricity generation, capacity, and sales in the United States

Utility scale includes electricity generation and capacity of electric power plants with at least 1,000 kilowatts, or 1 megawatt (MW), of electricity-generation capacity. Small scale includes ...



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