

Solar power generation increased by 5



Overview

According to the International Energy Agency (IEA), the share of solar power is up from 5% to 7%. The IEA expects global PV module generation to increase by 1,800 TWh per year between 2025 and 2027, causing solar to become the second-largest renewable energy source after wind. The Energy Information Administration reports that utility-scale solar grew by 32%, while distributed solar increased by 15%, bringing their respective shares to nearly 5% and 2% of total electricity generation. electricity generation rose by 3.6% in 2027, when it reaches an annual total of 4,423 BkWh. This generation growth rate is close to the level envisaged from 2023 to 2030 in the Net Zero Emissions by 2050. Measured as a percentage of total electricity produced in the country or region.

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[Spring 2025 Solar Industry Update](#)

o From 2014 to 2024, leading solar deployment states greatly increased solar electricity penetration. - California (32%), Nevada (31%), and Massachusetts (26%) led the way in 2024, each ...

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

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 ...

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[Solar generation reaches new high](#)

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[Solar generated 5.5% of U.S. electricity in 2023, a 17.5% increase](#)

In 2023, solar photovoltaics accounted for 5.5% of total U.S. electricity generation, which amounted to 4,251 TWh. Utility-scale solar (1 MWac and larger) contributed 3.8% to the total ...



[The remarkable rise of solar power](#)

In 2022, the world added more new solar capacity than all other energy sources for electricity combined. Global energy generation from solar photovoltaic (PV) panels, which convert ...



[Share of electricity production from solar, 2025](#)

Share of electricity production from solar, 2025
Measured as a percentage of total electricity produced in the country or region.



[Over the past year, US solar electricity grew 37% while battery ...](#)

Over the past year, US solar-generated electricity grew 37% while battery storage expanded by 64% as 55.4 GW of new renewables plus battery capacity came online.



[Solar generation up 27%, accounting for 6.8% of all electricity](#)

Over the past 12 months, solar photovoltaic sources accounted for more than 6.8% of all electricity generated in the U.S., up from 5.5% in 2023, a 24% year-over-year increase, according to ...



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[US solar generation up 27% in 2024, accounting for 6.8% of all](#)

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