

Solar power generation increased by 12



Overview

Furthermore, the IEA data shows solar PV expansion increasing by around 12% year-on-year, lifting cumulative global installed capacity to approximately 2.8 TW and cementing solar as the world's largest installed power generation technology by capacity. 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. All renewable energy sources, including nuclear power, made up 39% of global electricity last year. In a nutshell: The amount of global electricity generated by wind and solar energy power reached a record 12% last year, up from 10% in 2021, according to a new report. It also states that last year could have marked peak emissions from the power sector, the world's largest producer of carbon. LONDON, April 13, 2023 – Wind and solar energy have reached a record 12% of global electricity production, energy think tank Ember announced in its Global Electricity Review on Wednesday.



Article Content

Clean energy generation exceeded rise in global electricity demand in ...

Solar power met three-quarters of the increase in electricity demand in 2025, with the remainder mostly met by wind power. Electricity generation from fossil fuels fell by 0.2%.

Global solar PV additions exceed 600GW in 2025, says IEA

Solar PV accounted for more than a quarter of total global energy demand growth in 2025, according to the International Energy Agency.

Solar Market Insight Report – SEIA

US Solar Market Insight is a quarterly publication of Wood Mackenzie and the Solar Energy Industries Association (SEIA).

Short-Term Energy Outlook

with the summer of 2025. This growth is met by increased generation from renewable fuel sources, with solar generation increasing by 19% and wind generation increasing by 10%. Generation from coal is f

German Public Electricity Generation in 2025: Wind and

In 2025, the share of renewables in Germany's net public electricity generation amounted to 55.9 percent, as in the previous year. Wind power took

Solar, wind reach record 12% of global electricity in

A record growth from solar and wind power, increased its global electricity to 12% in 2022, according to energy thinktank Ember.

Solar and Storage Industry Research Data – SEIA

Solar and storage in the United States is booming. Along with our partners at Wood Mackenzie Power & Renewables, SEIA tracks trends and trajectories in the solar

"The Spanish Electricity System in 2025": Electricity demand ...

The demand for electrical energy in Spain increased in 2025 and registered a 2.8% rise. Factoring in the calendar effect and temperatures, this increase was 1.6%. This year, nearly 10 new GW of installed

Short-Term Energy Outlook

Coal generation in our forecast declines by 2% from last summer. This decline is offset by an increase of 19% in utility-scale solar generation relative to

Energy Mix

Energy mix: what sources do we get our energy from? Let's look at our energy mix today, and explore what sources we draw upon. In the interactive chart shown,

Silver Demand Forecast to Expand Across Key Technology Sectors

Solar Photovoltaics As countries worldwide commit to renewable energy transitions and solar installations expand, solar photovoltaic technology is among the most significant and fastest

Installed solar energy capacity

Total solar (on- and off-grid) electricity installed capacity, measured in gigawatts. This includes solar photovoltaic and concentrated solar power.

Renewable capacity statistics 2025

Renewable power generation capacity is measured as the maximum net generating capacity of power plants and other installations that use renewable energy sources to produce electricity. For most

Solar power generation drives electricity generation growth over the ...

In-brief analysis January 16, 2026 Solar power generation drives electricity generation growth over the next two years Data source: U.S. Energy Information Administration, Short-Term Energy Outlook,

Solar and wind power curtailments are increasing in California

Oversupply, when generation exceeds customer electricity demand In 2024, CAISO curtailed 3.4 million megawatthours (MWh) of utility-scale wind and solar output, a 29% increase

European Electricity Review 2026

The same weather conditions that caused an annual drop in hydro (-12%) and wind (-2%) boosted solar generation, with renewables providing nearly half of EU power (48%).

Wind and solar power generation hit record highs last year ...

In a nutshell: The amount of global electricity generated by wind and solar energy power reached a record 12% last year, up from 10% in 2021, according to a new report.

Wind and solar now generate record 12% of global electricity

A report released on Wednesday found that wind and solar energy made up a record high 12% of global electricity generation in 2022. Meanwhile EU countries are lagging behind with wind

New Energy Outlook 2026

The New Energy Outlook is BNEF's annual report focused on long-term energy and climate scenarios for the energy transition.

Wind and Solar Reached a Record 12% Of Global Electricity in 2022

Wind and solar reached a record 12% of global electricity generation, but they still weren't built fast enough to meet all of the world's increasing need for electricity.

BNamericas

Energy production from non-conventional renewable sources represented 12% of the country's electricity generation

U.S. solar power generation 2025| Statista

In 2025, net solar power generation in the United States reached its highest point yet at 295.7 terawatt hours of solar thermal and photovoltaic (PV) power.

Renewables increased energy output by more than 12% in 2022

The latest issue of EIA's "Electric Power Monthly" report (with data through December 31) reveals that renewable energy sources (including small-scale solar systems) increased their

U.S. Energy Information Administration

Includes hydropower, solar, wind, geothermal, biomass and ethanol. Uranium fuel, nuclear reactors, generation, spent fuel. Comprehensive data summaries, comparisons, analysis, and projections

Wind and solar hit record 12% of global power generation last year

Wind and solar energy represented a record 12% of global electricity generation last year, up from 10% in 2021, a report on Wednesday found.

Wind and solar reach 12% of the global energy mix

LONDON, April 13, 2023 – Wind and solar energy have reached a record 12% of global electricity production, energy think tank Ember announced in its Global Electricity Review on Wednesday.

Contact Us

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