

# Solar power generation will set off a new wave of enthusiasm

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Solar electricity is growing rapidly, but can it really dominate the global energy system? Here is what it will take for us to power the planet on sunshine

Renewable energy sources, including solar, wind and hydropower, are forecast to meet over 90% of the global electricity demand growth through 2030.

Global energy generation from solar photovoltaic (PV) panels, which convert sunlight into electricity, rose by 270 terawatt hours (TWh), marking a 26% rise on the previous year. While solar ...

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 generation over the next ...

Decarbonisation plans across the globe require zero-carbon energy sources to be widely deployed by 2050 or 2060. Solar energy is the most widely available energy resource on Earth, and ...

Today solar power is long past the toy phase. Panels now occupy an area around half that of Wales, and this year they will provide the world with about 6% of its electricity--which is almost...

Today's solar industry is experiencing a renaissance driven by cutting-edge materials science, artificial intelligence, and creative deployment strategies that are pushing the boundaries of ...

In a significant shift towards cleaner energy sources, the United States is poised for substantial growth in solar and wind power generation over the next two years.

Developers are on track to make 2025 a record year for new electric generation in the United States, with solar power expected to dominate capacity growth.

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Because energy supply facilities typically last several decades, technologies in these classes will dominate solar-powered generation between now and 2050, and we do not attempt to look beyond ...

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