

# Japan's total solar power generation

Solar PV accounted for 25% of Japan's total installed power generation capacity and 11% of total power generation in 2023.

Overview Government action Solar manufacturing industry See also External links The Japanese government is seeking to expand solar power by enacting subsidies and a feed-in tariff (FIT). In December 2008, the Ministry of Economy, Trade and Industry announced a goal of 70% of new homes having solar power installed, and would be spending \$145 million in the first quarter of 2009 to encourage home solar power. The government enacted a feed-in tariff in November 2009 that requires utilities to purchase excess solar power sent to the grid by homes and businesses and pay twice the st...

In 2022, solar energy accounted for 5.39% of Japan's total energy mix and 9.91% of its electricity generation. In both cases, solar power in Japan holds the largest share of all renewable ...

Japan's solar power generation market capacity reached a record 102 TWh in 2024, representing 13% of the nation's total electricity output. This marks a substantial increase from ...

Japan: Solar electricity generation, billion kilowatthours: The latest value from 2023 is 97.48 billion kilowatthours, an increase from 93.27 billion kilowatthours in 2022. In comparison, the world average ...

According to the latest data released in a fiscal 2023 white paper on energy, Japan's cumulative installed solar-power capacity was 69.35 million kilowatts in fiscal 2021.

It is estimated that the share of renewable energy in Japan's total electricity generation including self-consumption for the calendar year 2024 was 26.7% as preliminary value, an increase of 1 ...

In recent years, solar power overtook hydropower as the largest renewable energy source in electricity generation in Japan. Furthermore, solar energy was the source with the highest...

In contrast with other renewables, solar generation has experienced rapid growth in Japan. In 2024, solar contributed approximately 97 TWh, representing almost 10% of the electricity ...

In May 2021, the Japanese Trade Ministry said that Japan may require up to 370 GW of solar capacity by 2050 to reach the goal of cutting carbon emissions to zero.



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