

Title: Japan s solar photovoltaic power generation share

Generated on: 2026-04-22 17:21:23

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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 ...

OverviewSolar manufacturing industryGovernment actionSee alsoExternal linksSolar power in Japan has been expanding since the late 1990s. Japan is a large installer of domestic PV systems, with most of them grid connected. The country was a major manufacturer and exporter of photovoltaics (PV), with a global market share of around 50% in the early 2000s. However, by 2019, this had dropped to below 1% due to the rise of state-backed production in China.

Japan's solar energy market size for photovoltaic technology stood at 94.25 GW in 2025, locking in a 2.63% CAGR toward 2031 and retaining a 100.00% segment share as concentrated ...

According to the Institute for Sustainable Energy Policies, an independent Japanese nonprofit research organization, renewable energy accounted for 24% of total electricity generated in ...

The share of solar PV was 10.7%, and together with the 1.2% share of wind power, the share of variable renewables VRE was 11.9%. Solar PV increased from 9.6% in 2022, a larger share ...

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

In recent years, Japan was one of the largest consumers of solar energy worldwide. Solar energy represents the largest energy-producing renewable energy source in the country. In fact,...

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