

Data and analysis including a list of solar power in every country in the world, countries with the most solar power, and countries that generate the highest percentage of their electricity from solar power.

Japan ranked third worldwide in terms of its cumulative installed capacity as of the end of 2021. According to the white paper on energy, Japan ranked first until 2003, but slipped to second...

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.

"India's growth in solar generation in 2023 pushed the country past Japan to become the world's third-largest solar power generator. It has climbed from ranking ninth in 2015," the report said.

Historically, the average for Japan from 1980 to 2023 is 15.31 billion kilowatthours. The minimum value, 0 billion kilowatthours, was reached in 1980 while the maximum of 97.48 billion kilowatthours was ...

1. Cumulative Installed Solar PV Capacity in the World and in Selected Countries (GW) 2. Cumulative Installed Solar PV Capacity in Japan and by Distribution Area (GW) 3. Solar PV Electricity ...

The Japan solar power generation market is overwhelmingly led by solar photovoltaic (PV) technology, which holds over 60% market share. This dominance is rooted in Japan's long-standing ...

By the end of 2017, cumulative capacity reached 50 GW, the world's second largest solar PV installed capacity, behind China. [5][6] In line with the significant rise in installations and capacity, solar power ...

The country continues to rank as the world's fourth-largest generator of solar power and also has the highest solar capacity per unit of land area among major economies [3].

The annual share of solar power generation in 2024 was 11.4%, a slight increase from 11.2% the previous year. The share of Variable Renewable Energy (VRE), which includes solar and wind, ...

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