



Solar photovoltaic power generation in Australia

In May 2025, utility-scale and rooftop solar PV dipped by 579GWh month-on-month in Australia's National Electricity Market (NEM) to 2,861GWh.

In the first quarter of 2025, the capacity of rooftop solar installations for homes and businesses surpassed 26 GW, with over 4.1 million photovoltaic systems now operational across the country, ...

This release includes household solar electricity generation in the Australian National Accounts (ANA) for the first time. Our new approach provides a more complete picture of the role of ...

Australia's PV market continued to expand in 2024, with both rooftop and utility-scale segments contributing to steady growth throughout the year. Rooftop PV remains a defining characteristic of ...

Estimated photovoltaic output as a percentage of its maximum capacity in each state, including forecast performance. Performance data are sourced at up to 5 minute intervals from more ...

Australia now leads the world in per capita household solar, with more than 4 million homes - approximately one in three - equipped with solar panels [1]. This release includes ...

Solar PV generated approximately 10 per cent of Australia's electricity in 2020-21, and is the fastest growing generation type in Australia. More than 30 per cent of Australian households now have ...

Expert industry market research on the Solar Electricity Generation in Australia (2015-2030). Make better business decisions, faster with IBISWorld's industry market research reports, statistics, ...

In 2024, 36% of Australia's total electricity generation was from renewable energy sources, including solar (18%), wind (12%) and hydro (5%). The share of renewables in total electricity generation in ...

The sudden rise in solar PV installations in Australia since 2018 dramatically propelled the country from being considered a relative laggard to a strong leader in under two years.



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