

How many tons of photovoltaic panels are installed in Australia



Overview

4,154,426 solar panel installations have been completed across Australia from 2001 to 30 June 2025, generating a substantial 26,704,295kW of rated capacity. Australia maintains its position as the global leader in per capita electricity generation from solar as of 2024. Rooftop photovoltaic systems. Australia's rooftop solar fleet reached 27. With an estimated number of 10.9 Million homes in Australia, this brings the total of all households in Australia that. This report provides a comprehensive overview of the Australian PV market, which recorded strong growth in 2024 and achieved a cumulative installed capacity of 40. While these households and small businesses are reducing their bills by a collective \$6 billion annually, they could almost double those savings by installing a. generation. 72 per cent (around 26,900 GWh) in the previous year, reflecting the growing role of rooftop PV in Australia's renewable energy the country.

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[Australian Energy Statistics](#)

The Australian Energy Statistics is the authoritative and official source of energy statistics for Australia and forms the basis of Australia's international reporting obligations. It is updated annually and ...

[National Survey Report of PV Power Applications in Australia 2024](#)

The country now has 40 GW of total installed PV capacity, including 26.1 GW of distributed systems and 13.4 GW of centralised installations. More than 4 million PV systems are installed nationwide--an ...



[Australian Photovoltaic Institute o Market Analyses](#)

As of 30 September 2025, there are over 4.22 million PV installations in Australia, with a combined capacity of over 43.0 gigawatts.



Solar power in Australia

Solar power is a major contributor to electricity supply in Australia. As of June 2025, Australia's over 4.16 million solar PV installations had a combined capacity of 41.8 GW photovoltaic (PV) solar power. [1]



[Australia breaks record with 5.2 GW solar installations in 2024: IEA](#)

An International Energy Agency survey of solar power applications in Australia shows 5.2 GW of installations in 2024 were achieved and the total capacity of solar at 40 GW, includes 26.1 ...



[Solar panel install statistics in Australia](#)

Over 4.2 Million homes and businesses in Australia have installed solar panels and are reaping the savings benefits of solar while also reducing their carbon emissions.



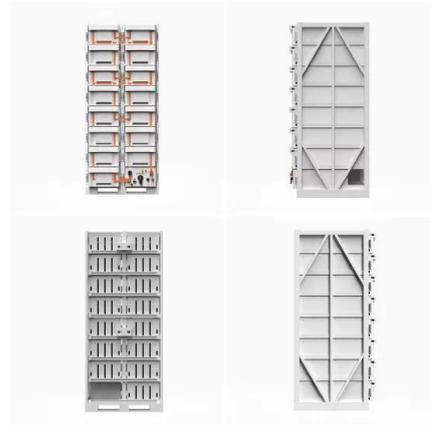
[Solar Panel Installation Statistics Australia](#)

See Australia's 2026 rooftop solar statistics, including national capacity, state-by-state installations, system sizes, battery attachment, exports and penetration rates. Updated with Clean ...



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ransition. Recent figures from the Clean Energy Regulator (CER) reveal that by the end of 2024, the capacity of rooftop solar installations for homes and businesses had surpassed 25.3 GW, with over ...



[Solar Panel Statistics 2026](#)

The last decade (2015-2025) has generated 1.828 million solar panel installations, or 44% of all solar panels ever installed, demonstrating the acceleration of adoption in recent years and highlighting the ...

[Rooftop solar and storage biannual report](#)

More than 300,000 rooftop solar systems were installed across Australia last year, bringing the total number to more than 4 million.



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