

# Share of solar power generation in Australia



## Overview

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In 2001, the Australian government introduced a mandatory renewable energy target (MRET) designed to ensure renewable energy achieves a 20% share of electricity supply in Australia by 2020. The MRET was to increase new generation from 9,500 gigawatt-hours to 45,000 gigawatt-hours by 2020. The MRET requires wholesale purchasers of electricity (such as electricity retailers or industrial operations) to purchase renewable energy certificates (RECs), created through the generation of electricity from re.

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### [10 Latest Solar Power Statistics](#)

The future of solar power in Australia appears incredibly bright. Projections suggest that 2030 solar energy could account for 40% of the country's electricity generation, with a total installed capacity ...

### [11 Solar Energy Statistics in Australia \(2026 Update\)](#)

Solar energy produced in Australia accounts for only 0.1% of the country's energy consumption. About 20.3% of households in Australia have solar rooftops. Queensland has the ...



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

More than 4 million PV systems are installed nationwide--an exceptional figure for a country with a population of just 25.7 million. Rooftop PV is widespread, with 44% of free-standing homes equipped ...

### [Household solar electricity generation in the Australian national](#)

Household solar electricity generation increased 20-times over the same period and now accounts for approximately 8% of total economy-wide electricity generation.



### [Renewables Generated 43% of Electricity Used by Australia's Main Power](#)

Grid-scale solar generation was up 10 percent from the first quarter last year, while battery generation was up 86 percent, reaching all-time highs. Meanwhile, rooftop solar and wind ...

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Overview Renewable energy targets Installations by type Potential Incentives Supply chain Projects See also

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Australia has an abundance of solar energy resource that is likely to be used for energy generation on a large scale. [11] The

combination of Australia's dry climate and latitude give it high benefits and ...



[Solar's ten-year growth outshines all energy generation sources: new](#)

Solar accounted for 45% of all renewable generation and for 15% of total electricity generation in Australia," the AEU says. "Large-scale, or utility-scale, generation has grown especially ...



[NEM Data Spotlight: Australia's solar sector continues momentum with](#)

These events coincided with increased electricity demand, as Australia Day celebrations and return-to-work patterns influenced consumption. January 2026's performance reinforces the ...



**SOLAR REPORT S**

IN AUSTRALIA The penetration of Australian rooftop photovoltaics (PV) in the energy market continues to grow and contributed roughly 15 per cent (approximately 8,172 GWh) of the National Electricity ...



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