

Civilian solar power generation in Australia



Overview

Australia is leading the world in rooftop solar adoption. 8 gigawatts of clean power generation capacity connected directly to local electricity networks that serve homes and businesses. As of December 2025, Australia's over 4.29 million solar PV installations had a combined capacity of 45. By the end of the year, a total of 2,785 MW of new rooftop solar had been installed, taking Australia's cumulative total to 22,072 MW as at the end of D W installed. Queensland installed a further 720 MW, Victoria 516 MW, 248 MW in Western Australia, 236 MW in South Australia, 45 MW in . This report provides a comprehensive overview of the Australian PV market, which recorded strong growth in 2024 and achieved a cumulative installed capacity of 40.0 International Licence is a standard form licence agreement that allows you to copy, distribute, transmit and adapt this publication provided you attribute the work. A summary of the licence terms and the full licence terms are available. The 57 regions are based on postcodes beginning in .

Civilian solar power generation in Australia



Renewable energy in Australia

Australia has ambitious goals of becoming a renewable energy superpower. The country has vast natural resources and a renewable energy capacity that is increasing annually.

SOLAR REPORT

Note that we have used utility-scale solar as a share of generation as solar generators and others compete to supply and balance the operational demand and exports, while household solar PV does



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

This report provides a comprehensive overview of the Australian PV market, which recorded strong growth in 2024 and achieved a cumulative installed capacity of 40.4 GW by the end of the year.

Solar power in Australia

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

Several incentive programs started in 2008. The Solar Homes and Communities Plan was a rebate provided by the Australian Government of up to A\$8,000 for installing solar panels. Schools were eligible to apply for grants of up to A\$50,000 to install 2 kW solar panels. Over its four years,



2,870 schools installed solar panels. The Australian Government has financial incentives for installing solar systems in the form of Small-Scale Technology Certificates



Solar power in Australia

A number of states have set up schemes to encourage the uptake of solar PV power generation involving households installing solar panels and selling excess electricity to electricity retailers to put

Australian Energy Statistics

New estimates of on-grid electricity generation in Australia have been developed for this edition, covering electricity generated on the five major grids, including generation for own use by industry,



Australian Photovoltaic Institute

These regional output estimates are summed to estimate the total generation from distributed PV systems in each State. Contribution to load is then calculated using data from the

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

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



Solar energy



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

Rooftop solar generates over 10 per cent of Australia's electricity

Collectively, rooftop solar is now the second largest source of renewable electricity generation in Australia (behind wind energy generation), and the fourth largest source of electricity



Balancing Australia's ocean of electricity

Australia is leading the world in rooftop solar adoption. By June 2025, 4.2 million rooftop solar systems had been installed nationwide representing 26.8 gigawatts of clean power generation

Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://bartstudio.biz>