

# **Australia solar energy council**





## Overview

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What is the Australian Energy Council (AEC)?

The Australian Energy Council is the peak industry body for electricity and downstream natural gas businesses operating in the competitive wholesale and retail energy markets. AEC members generate and sell energy to 10 million homes and businesses and are major investors in renewable energy generation.

How many solar jobs are there in Australia?

The study found that more than a third of renewable energy jobs in 2019 were in the small-scale solar segment, with 37 per cent of the clean energy workforce involved in installing solar on the rooftops of Australian homes and businesses.

How many rooftop solar installations are there in Australia?

By the end of the first half of this year, solar PV installations had been fitted to more than 3.85 million Australian rooftops with a capacity of 23.65 GW, according to the Clean Energy Regulator. In addition to the latest installation statistics, we take a look at other developments with rooftop solar, as well as utility-scale batteries.

How big is Australia's solar energy sector?

However, the 117 MW installed throughout 2020 was still the second-best year for medium-scale solar, and the size of the sector has more than doubled over the past two years so that it now contributes 1.4 per cent to Australia's total renewable energy generation.

How many people use rooftop solar in Australia in 2023?

2023 also saw rooftop solar continue to shine brightly, with 3.1 GW of new capacity added to Australia's energy system. In total, 337,498 households and businesses around Australia installed rooftop solar, up from 315,499 in 2022.



“Rooftop solar accounted for 28.5 per cent of all renewable generation nationally over the past year.

Why did Australia add 117 MW of solar capacity in 2020?

The medium-scale solar sector added 117 MW of new capacity in 2020, which was a strong result considering the impact that the COVID-19 pandemic had on the Australian small business community.



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### BUYING SOLAR

Solar buying guide 5 HOW WELL DO YOU KNOW YOUR ROOF? Despite what some advertising may tell you, there is no "one size fits all" solution for solar. And the cheapest system is often not the best option. Every home is different, and the requirements can



### [Rooftop solar and storage report](#)

Rooftop Solar and Storage Report H1 2024 5 Solar PV installations Rooftop PV continues to be a key contributor to the nation's energy mix, with a generation share of 11.3% for the first half of 2024. The total installed capacity of rooftop PV for H1 2024 was 1.3 GW from 141,364 units.



### Government rebates and loans for solar , energy.gov

The solar panels and inverter must be on the lists of Clean Energy Council approved modules and inverters. The value of STCs you receive is based on the estimated amount of electricity your solar system will generate until 2030.

### SOLAR REPORT

5 5 Figure 3: Australia utility-scale solar capacity commissioned by quarter. Source: Australian Energy Council's analysis Australia's large-scale solar capacity increased to a total of 5.4GW across 69 solar farm projects. In the first quarter of 2021, an additional of



[Solar Report: Third Quarter 2024](#)

Solar Report: First Quarter 2024. By the end of the first quarter this year solar PV installations had put been fitted to more than 3.7 million Australian rooftops with a capacity ...



**SOLAR REPORT**

4 4 at 38.85 MW, the Australian Capital Territory at 10.48 MW, Tasmania at 7.48 MW, and the Northern Territory at 2.75 MW. Figure 1. New rooftop solar capacity (bar) and SGUs (line) installed since last report (Jan-24). Source: Analysis from the AEC with data



[Australian Energy Update 2024](#)

Australian Energy Update 2024 energy.gov ii Foreword The way we supply and use energy in Australia continues to transform, accounting for 34 per cent of Australia's electricity generation. Solar electricity generation grew 21 per cent in the 2022-23 year





## What is the CEC , Clean Energy Council

The Clean Energy Council, the peak body for Australia's renewable energy sector, welcomes today's appointment by the Clean Energy Regulator (CER) as the product assurance body for ...



## Rooftop solar and storage report

Solar PV installations. After a slight year-on-year rebound in total installed capacity for rooftop PV, 2023 was the first year in which the sector contributed over 10 per cent of total Australian ...

## **SOLAR REPORT**

Source: Clean Energy Regulator data, Australian Energy Council analysis, data as of 25 July 2023  
In the second quarter of 2023, New South Wales led the country in terms of newly installed rooftop solar systems, with 33.1 per cent of the national total.



## The Australian Solar Council

The Australian Solar Council (until recently known as the Australian Solar Energy Society- AuSES) began as the Australian and New Zealand Solar Energy Society (ANZSES)-in turn a branch of the International Solar Energy Society (ISES)-in 1981, well before



### Government rebates and loans for solar , energy.gov

The Australian Government's Small-scale Renewable Energy Scheme (SRES) reduces the cost of most new residential and business rooftop solar systems. Rebates and loans are also provided ...



### SOLAR REPORT

Australia's rooftop solar capacity continued to expand in the first half of 2024he country added .T 1,238 MW of new rooftop solar installations with New South Wales adding 427 MW, Queensland 340 MW, Victoria 216 MW, Western Australia 116 MW, South Australia 95 MW, Tasmania 20 MW,

### Clean Energy Policy Australia , Clean Energy Council

The Clean Energy Council, the peak body for Australia's renewable energy sector, welcomes today's appointment by the Clean Energy Regulator (CER) as the product assurance body for small-scale renewables, including solar photovoltaic (PV) panels and



### Large-scale solar

Discover different types of clean energy and technologies in Australia. We help residents & industry transform energy systems for a smarter, cleaner future Too often, solar farms are built only to wait months for connection and access. We're working with multiple



## Clean Energy Report 2024 , Clean Energy Council

The report gives a comprehensive snapshot of the Australian clean energy sector, its progress and achievements. With a fantastic set of results for rooftop solar and ...

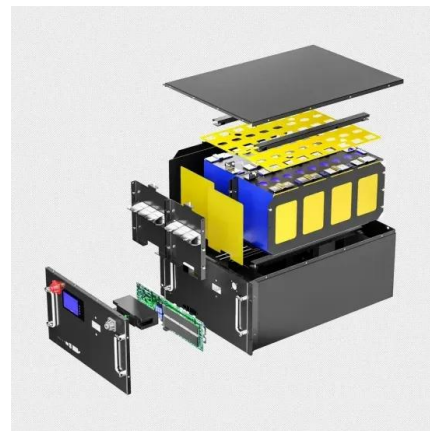


### CLEAN ENERGY AUSTRALIA

4 5 The Clean Energy Council is the peak body for the renewable energy and energy storage industry in Australia. We represent and work with hundreds of leading businesses operating in solar, wind, hydro, bioenergy, energy storage, hydrogen and emerging

### Recap of Australia's Solar Industry Subsidy Policies

Hinen, as a leading enterprise focused on residential energy storage solutions, looks forward to contributing to Australia's renewable energy goal of "achieving 43% emission reduction by 2030 and net-zero emissions by ...



### Discover the renewable energy industry , Clean Energy Council

Renewable energy in Australia is booming. Learn about current and future projects supplying clean, affordable power to the electricity market, and track Australia's progress to net zero. The Clean Energy Council administers the New Energy Tech Consumer Code



## SOLAR REPORT

5 5 Figure 3: Total small-scale solar installations by size in kW and annual average system size  
Source: APVI data, Australian Energy Council analysis. Note that 2019\* includes data from January to September 2019 only. In 2018, the uptake of bigger systems of



## SOLAR REPORT

Source: Clean Energy Regulator data, Australian Energy Council analysis, data as of 31 March 2020 Figure 2 again highlights the continued strong growth in Australian rooftop solar installations. The two trend lines continue to widen as bigger solar units are

### [Battery Storage: Australia's current climate](#)

Australian Energy Council CEO Louisa Kinnear and the Energy Networks Australia CEO and Chair, Dom van den Berg and John Cleland recently attended the International Electricity Summit. Held every 18 months, the Summit brings together leaders from across the globe to share updates on energy markets around the world and the opportunities and ...



### [Made in Australia: The Solar Challenge](#)

While Australia is seeking to support a domestic solar industry through the recently introduced Future Made in Australia Bill and the Federal Government's \$1 billion Sunshot program, one constant question is how Australia can hope to compete with China? Australia currently manufactures around one per cent of the solar panels installed across the country.



Global Solar Council , Smart Energy Council

The Smart Energy Council provides a way to bring together the various disciplines concerned with the design, development, application and use of smart energy within Australia. The range of smart energy is broadening and includes solar, energy storage, ...

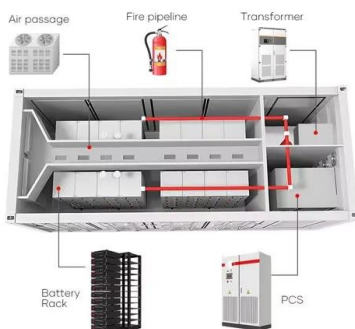


**SOLAR REPORT**

Source: Clean Energy Regulator data, Australian Energy Council analysis, data as of 25 June 2022  
Battery installations with rooftop solar Australia's rising share of rooftop solar continues to support the adoption of storage technologies. When comparing the

**Rooftop solar on the rise in Australia's clean energy mix**

A new report from the Clean Energy Council (CEC) reveals that more than 20 GW of small-scale solar has been installed across Australia with rooftop PV now the second largest generation source in Australia's clean energy mix, edged out only by wind energy. The Rooftop Solar and Storage Report, developed with data provided by solar consultancy SunWiz, ...



**SOLAR REPORT**

Source: Clean Energy Regulator data, Australian Energy Council analysis, data as of 29 April 2022  
Battery installations with rooftop solar Australia's rising share of rooftop solar continues to support the adoption of storage technologies.



## Australian Clean Energy Summit 2024 leads the nation's energy

19 Jun 2024 During a time of profound change for Australia's clean energy transition, the nation's leading renewable energy industry event, the Australian Clean Energy Summit (ACES) 2024, powered by Goldwind, will return to Sydney in 2024. Held between



### [Products , Clean Energy Council](#)

Products only need to be listed with the Clean Energy Council at the time of installation for claiming of STCs and for connection approval within many distribution networks. Like-for-like replacement for a faulty panel/inverter is regarded as a repair under AS 3000.

## Contact Us

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