

# **Australian Sunshine Solar Power Generation System**





## Overview

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What is solar PV & how does it work in Australia?

Energy can then be released from storage as required. 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 PV, with a combined capacity exceeding 11 GW.

What happened to solar PV generation in Australia in May 2025?

Solar PV generation dipped by almost 17% month-on-month in the NEM. Image: European Energy. 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.

How much solar energy does Australia generate a year?

Indeed, the positive figure of these recorded generation statistics is that cumulative solar generation has increased by 15% year-on-year, with May 2024 seeing Australia's fleet generate 2,486GWh in the NEM. Below is a full breakdown of monthly solar generation in the NEM on the graph, exclusive to PV Tech Premium subscribers.

What is the strongest solar generation in Australia?

The strongest generation for rooftop solar PV came on 6 April with 89GWh. According to the Australian government's Bureau of Meteorology, 1 May saw normal weather, with 13.8mm of rain, a maximum temperature of 19.5 degrees Celsius, and 7.6 hours of sunlight throughout the day.



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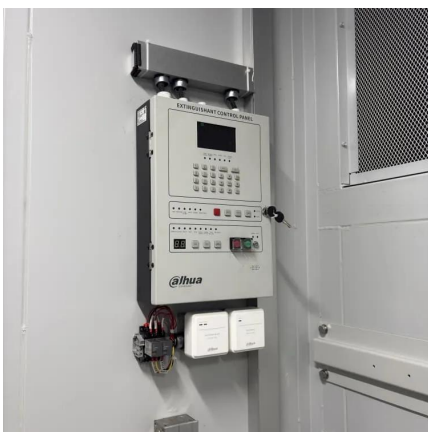


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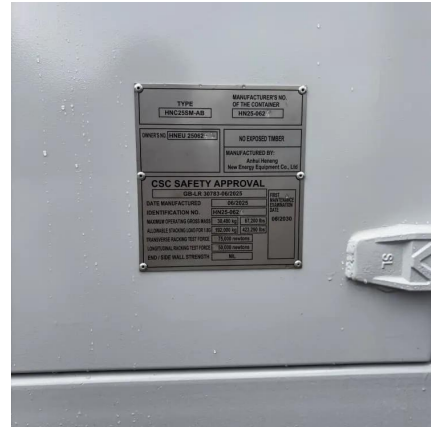


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