



# Australia s energy storage inventory in 2025





## Overview

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8GW of renewables and storage in Q4 2025, with batteries leading a record 64GW pipeline, accelerating the nation's energy transition. This figure is more than the previous four years combined. Rooftop solar PV now accounts for 28.3 GW of installed capacity, eclipsing that of the. Battery energy storage deployment in Australia's National Electricity Market (NEM) is rapidly accelerating. As the system transitions away from coal and the demand for energy storage increases, the delivery of battery energy storage systems will be critical to maintaining system reliability and. Australia's energy story in 2025 looks a lot like a plot twist: rooftop solar — long the headline renewable — is still vast and growing on aggregate, but momentum has shifted. Batteries (both home-scale and grid-scale) are surging, reshaping how electricity is produced, stored and used. Below I. Content contained herein should be attributed as Australian Energy Statistics - Update Report 2025, Australian Government Department of Climate Change, Energy, the Environment and Water, August, Canberra. Cover image: Suburban house roofs covered by solar panels, Adelaide, South Australia. In early 2025, over AUD 2. This was the second-highest quarterly investment ever, just behind the AUD 2.



## Australia's energy storage inventory in 2025



### [Australia's solar & storage sectors drive record Q3 2025](#)

Australia's solar and energy storage sectors delivered strong performance during the third quarter of 2025, with grid-scale solar generation reaching 1,699MW average output while battery

### How Australia's AUD 2.4B Battery Storage Boom Is Replacing Coal

Australia's power market is changing quickly. In early 2025, over AUD 2.4 billion (USD 1.5 billion) went into large-scale battery energy storage systems (BESS). This was the second ...



### Australia's National Electricity Market Adds 1.8 GW of New Capacity in

Australia's National Electricity Market (NEM) added 1.8 GW of new renewable generation and energy storage capacity during the fourth quarter of 2025. The increase came from two large ...

### Large-scale battery storage investment in Australia reached \$1.5bn in

The first quarter (Q1) of 2025 has seen a surge in investment for large-scale battery storage in Australia, with six projects worth a total of A\$2.4bn (\$1.5bn) reaching the financial ...



## Battery storage deployment in Australia's NEM surges 150% YoY

The Australian Energy Market Operator's (AEMO) latest Quarterly Energy Dynamics report reveals that battery storage deployment accelerated during Q3 2025, with 2,936MW of new ...



## Q3 2025 NEM Buildout Report: Another quarter of record battery growth

This article provides an update on battery energy storage deployment in the NEM, highlighting newly commissioned assets, trends in system size and duration, and what this means for our forecast ...



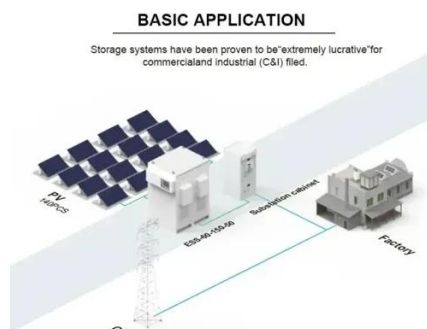
## Australian Energy Statistics

It is updated each year and consists of detailed data on historical energy consumption; production and trade statistics; and energy balances. It covers all types of energy and all parts of the economy.



## [Clean Energy Council Rooftop solar and storage report](#)

Rooftop solar and storage report - July to December 2025 Australians are driving a record home battery surge. Our report 2025 shows a record 183,245 batteries were sold in Australia in the ...



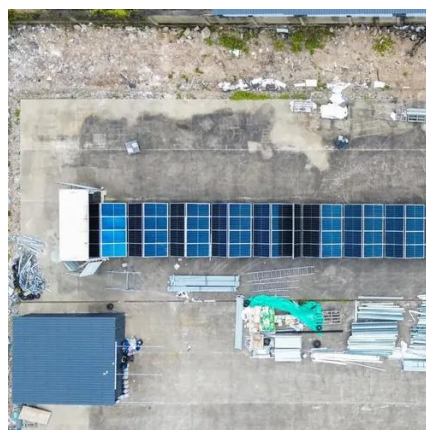
## [Key takeaways from All Energy Australia 2025](#)

The strong interest in battery storage was evident on the trade show floor, riding the wave of a rapid surge in residential BESS adoption. Moreover, despite the ongoing challenge of solar price ...



## **From Panels to Power Storage: The Big Energy Shift Australia Saw in ...**

Australia's energy market hit a turning point in 2025. As rooftop solar growth slowed, battery installations surged to record levels, reshaping how homes and the grid use electricity. This ...





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