

# How many energy storage power stations are there in Australia



## Overview

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As of the June 2025 quarter, 10 energy storage projects totaling 2.4 gigawatts have been approved, 6 projects totaling 866 megawatts have been registered, and 3 projects totaling 485 megawatts are fully operational. Australia is home to the world's first 'big' battery: the 100 MW Hornsdale Power Reserve, constructed in 2017. "Operating" includes those projects currently working; "Construction" means those being built or waiting to be commissioned; "Announced" refers to those with a level of commitment - contracts. The Australian Energy Statistics is the authoritative and official source of energy statistics for Australia and forms the basis of Australia's international reporting obligations. The dataset is . Australia's installed energy storage capacity jumps to third globally, with per capita 1GWh more than double that of the UK, and its project pipeline surges 45% to 154GW.

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### Big battery investment charges up in Q1 2025

At the end of 2024 there are 82 renewable electricity generation projects in Australia that have been financially committed or are under construction, representing 12.5 GW of capacity, with 69

### Australia: The State of Battery Energy Storage in the NEM

Since then, investment in grid-scale battery energy storage in Australia's National Electricity Market - or NEM - has continued. 25 projects are now commercially operational in the NEM, totalling just under 2



### [Australia's Installed Energy Storage Capacity Jumps To Third Globally](#)

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### Australian Energy Statistics

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### Big Battery Storage Map of Australia



This Big Battery Storage Map of Australia includes all big battery projects of 10MW or 10MWh and above. "Operating" includes those projects currently.

### [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



### **Battery Storage Energy in Australia , Aneroid**

Map and graphs of battery storage power data in the Australian electricity grid, provided by the Australian Energy Market Operator (AEMO).

### **AEMO , Generation information**

This page reports information on the capacity of existing, withdrawn, committed, and proposed generation projects in the National Electricity Market (NEM).



### **Australia: The 2025 NEM Battery Energy Storage**

Australia has a massive pipeline of grid-scale battery energy storage projects. 16.5 GW of new battery projects could arrive in the NEM in the next 3 years.

### **List of power stations in Australia**

Loy Yang in Victoria is the largest power station

in Australia by capacity (consisting of Loy Yang A and Loy Yang B counted together). However, if Loy Yang A and B are counted as separate power



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