

# Australia s largest battery storage





## Overview

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The Waratah Super Battery in New South Wales is Australia's largest energy storage system, with a capacity of 350 MW/700 MWh, expanding to 850 MW/1,680 MWh by 2025. It is now nearly eight years since the first big battery storage project in Australia – at Hornsdale in South Australia – opened for business. The so-called “Tesla big battery” seemed big at the time, and at 100 megawatts (MW) and 129 MWh it was indeed the biggest in the world, and around 100 times. Finnish energy giant Wärtsilä has announced the latest addition to its massive network utility-scale battery energy storage system (BESS) projects in Australia: a record-breaking 1.5 GWh deployment that brings the company’s total energy storage capacity in the nation to 5.5 GWh. The future of. Hornsdale Power Reserve is a 150 MW (194 MWh) grid-connected energy storage system owned by Neoen co-located with the Hornsdale Wind Farm in the Mid North region of South Australia, also owned by Neoen. The original installation in 2017 was the largest lithium-ion battery in the world at 100 MW /. Australia is home to the world’s first ‘big’ battery: the 100 MW Hornsdale Power Reserve, constructed in 2017. 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. The Waratah Super Battery, the largest battery on Australia's energy grid. The Waratah Super Battery, now operational in New South Wales, is the largest battery on Australia’s energy grid, providing 350 MW/700 MWh of capacity with a full potential of 850 MW/1,680 MWh by the end of 2025 (guaranteed). The first quarter of 2025 was the second best on record for investment in large-scale Battery Energy Storage Systems (BESS) in Australia, with six projects worth \$2.4 billion in total reaching the financial commitment stage – delivering an extra 1.5 GW in storage capacity and 5 GWh in energy.



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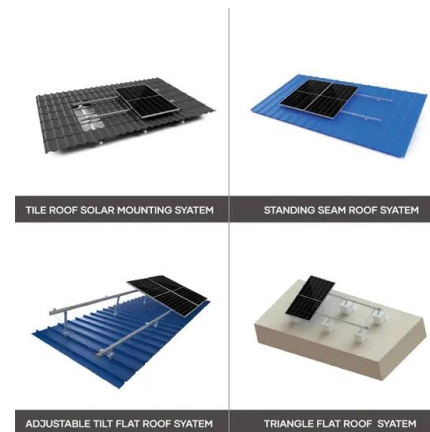


### Australia: The State of Battery Energy Storage in the NEM

When Hornsdale Power Reserve opened in 2017, it was the biggest battery energy storage system in the world. Four years later, when Neoen opened the 300 MW Victorian Big Battery in 2021, it was the ...

### What is a Large-scale battery energy storage systems (BESS)

Large scale battery energy storage systems (BESS), also known as 'big batteries', are already playing an important role in our energy system here in WA.

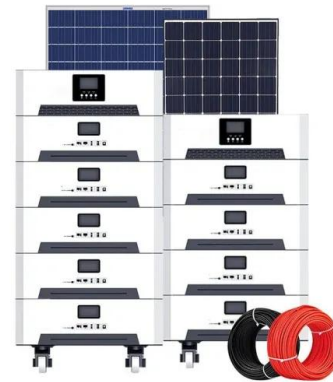


### Australia becomes world's third-largest utility battery market

Australia is now the third-largest market worldwide for large-scale battery energy storage by capacity with 14 GW/37 GWh of battery energy storage capacity at or nearing financial

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

Australia is home to the world's first 'big' battery: the 100 MW Hornsdale Power Reserve, constructed in 2017. Since then, investment in grid-scale battery ...



### Green light for Australia's largest grid-forming battery

Australia's largest battery with grid-forming inverter capabilities is set to go ahead, with AGL today reaching a Final Investment Decision (FID) on a 500 MW / 1,000 MWh grid-forming ...

### 5 Best-performing ASX Lithium Stocks (Updated January 2026)

Who is Australia's largest lithium producer? Australia's largest lithium producer is Albemarle (NYSE:ALB), which has interests in both the Greenbushes and Wodgina hard-rock lithium ...



### Massive battery storage system changes the future of Eraring

The name of Eraring may yet become synonymous with Australia's energy future, as it transitions away from coal-based power and looks to new generation and storage facilities. The ...



## Hornsdale Power Reserve

Hornsdale Power Reserve is a 150 MW (194 MWh) grid-connected energy storage system owned by Neoen co-located with the Hornsdale Wind Farm in the Mid North region of South Australia, also ...



## MASSIVE Australian battery project will store 5.5 GWh of power

Finnish energy giant Wärtsilä has announced the latest addition to its massive network utility-scale battery energy storage system (BESS) projects in Australia: a record-breaking 1.5 GWh

## Australia installed 2.5GWh of battery storage in record ...

In all, Australia's total cumulative installed battery storage capacity by the end of 2023 was counted at 5,966MWh. Interestingly, residential still ...



## World's biggest energy storage battery switched on in Australia

The largest energy storage battery in the world has been switched on along the New South Wales Central Coast, north of Sydney. The Waratah Super Battery, can deliver 850 ...



## Australia's 10 biggest battery storage projects

Updated: Big battery projects currently being rolled out in Australia are more than ten times bigger than the first installed in 2017 at Hornsdale. Here are the 10 biggest.



### Wärtsilä to deliver Australia's largest DC-coupled hybrid battery system

Technology group Wärtsilä will deliver a large energy storage system in Australia, which will be Wärtsilä's second DC-coupled project in the country. Significantly, this will be the largest DC ...

### Large-Scale Battery Storage Knowledge Sharing Report

DISCLAIMER t of the Australian Renewable Energy Agency (ARENA). It is intended solely to provide information on the key lessons and innovation opportunities for Large-Scale Battery Systems (LSBS) ...



### Australia is a global leader in energy storage and an ...

This is equivalent to almost double the size of Australia's largest utility battery, Victoria's Big Battery. The opportunity for batteries and storage in Australia



## Anza Power makes big entry in Australia with 1.4 GW solar and 3.4

...

Renewable energy platform Anza Power has launched in the Australian and New Zealand markets with the acquisition of a 1.4 GW pipeline of solar developments and more than 3.4 GWh of

...



## Top five energy storage projects in Australia

The Bonshaw Solar PV Park - Battery Energy Storage System is a 300,000kW lithium-ion battery energy storage project located in Inverell Shire, New South Wales, Australia. The electro ...



## The Waratah Super Battery, the largest battery on Australia's energy ...

The Waratah Super Battery in New South Wales is Australia's largest energy storage system, with a capacity of 350 MW/700 MWh, expanding to 850 MW/1,680 MWh by 2025.



## Big battery investment charges up in Q1 2025

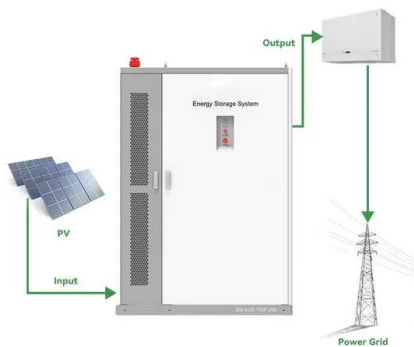
Energy storage systems, such as big batteries, are a critical part of Australia's future energy mix and act as a reliable back-up system allowing us to store renewable energy for when it is ...





## Hornsedale Power Reserve

With a balanced portfolio of wind, solar and big battery projects, we are Australia's largest 100% renewables company. We own and operate many of our projects for the long-term and are committed ...



## Australia installed 2.5GWh of battery storage in record-breaking 'Year

In all, Australia's total cumulative installed battery storage capacity by the end of 2023 was counted at 5,966MWh. Interestingly, residential still made up the largest share of that, with ...

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