

SolarInvert Energy Solutions

Australian energy storage power station investment



2MW / 5MWh
Customizable



Overview

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 output, according to new figures released by the Clean Energy Council today. Why should Australia invest in energy storage systems?

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 needed most and keep the lights on under all conditions. It's great to see the high levels of investment we've seen over the past couple of years continue.

How much is battery storage worth in Australia?

Credit: Phonlamai Photo / Shutterstock. 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 commitment stage, according to the latest Clean Energy Australia Report 2025.

How much did a battery energy storage project cost in 2025?

Six utility-scale battery energy storage projects (BESS) reached financial close in the first quarter of 2025 to the tune of \$2.4 billion (USD 1.5 billion) signalling a strong start out of the gate for the technology and its second-best investment quarter on record, adding 1.5 GW of storage capacity and 5 GWh of energy output.

What is EnergyAustralia's energy storage project?

The energy storage project will provide EnergyAustralia with a natural hedge against such market fluctuations and help stabilise energy prices and ensure a more resilient energy supply. "At EnergyAustralia, our purpose is to lead and accelerate the clean energy transformation for all," said EnergyAustralia Managing Director, Mark Collette.

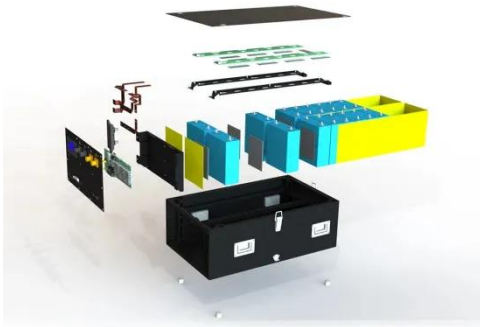
Why is battery storage important in Australia?

Battery storage is now key to Australia's clean energy transition. It stabilizes supply by storing extra renewable energy and delivering it on demand, even when solar or wind output drops. This helps prevent blackouts and ensures steady green energy flow. BESS installations are expected to double by 2027.

Does Australia need more energy storage?

and developers. Summary of Key Findings Australia requires a significant growth in energy storage over the next decade to ensure a smooth transition. • There is a growing need for electricity storage, of all durations, in the Australian power system. The Australian Energy Market Operator (AEMO) has indicated that 19 G

Australian energy storage power station investment



Big battery investment charges up in Q1 2025

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Queensland to build 1,200MWh publicly-owned

May 9, 2024 · The state of Queensland, Australia, has committed to investing AU\$448 million into battery storage technology at a coal power plant.

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Australia: The 2025 NEM Battery Energy Storage Pipeline ...

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.

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Storage across the NEM

Sep 28, 2023 · In relation to storage, the announcement says: "The Energy Security Corporation will make investments in storage projects, addressing ...

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The Role of Energy Storage in Australia's Future ...

Horizon Scanning Series The Role of Energy Storage in Australia's Future Energy Supply Delivered as a partnership between Australia's Chief Scientist and ...

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Big batteries supercharge 2025's first quarter adding 1.5 GW storage

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Battery storage profitability looking up in ...

Dec 9, 2024 · Investments in battery



storage within Australia's National Electricity Market (NEM) are increasingly profitable due to higher power price volatility ...

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HISTORIC MOMENT IN AUSTRALIA'S ENERGY ...

Jan 17, 2024 · Hazelwood is Australia's first retired coal-fired power station to host a utility-scale battery Melbourne, AUSTRALIA - 14 June 2023 - ENGIE and project partners Eku Energy and ...



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Australia Sets Record in Clean Energy ...

May 29, 2025 · Australia's clean energy sector hit a significant milestone in Q1 2025. It saw a surge in investments and rapid growth in Battery Energy ...

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Big Battery Investment Charges Up in Q1 2025: \$2.4 Billion ...

Jun 4, 2025 · According to the Council's Quarterly Investment Report: Large-scale renewable generation and storage Q1 2025, six major battery projects reached financial close, delivering ...

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Clean Energy Council: Australia investing billions ...

Jun 10, 2024 · Australia's Clean Energy Council has signaled that Q1 2024 saw signs of recovery for the nation's renewable energy generation sector but ...

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Wärtsilä selected to deliver third stage of

Dec 6, 2024 · Origin's Eraring coal power station (above) will be replaced with Australia's largest BESS. Image: CSIRO. Finnish marine and energy technology group Wärtsilä has been ...

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Large-scale battery storage investment in Australia reached ...



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More than 1GW of battery storage to replace ...

Jun 17, 2022 · The Western Australian government is about to embark on an ambitious investment to replace its last two publicly-owned coal generators ...

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Wärtsilä to deliver one of the world's largest ...

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9.6GWh PHES in Queensland seeks Australian ...

Jan 16, 2025 · BE Power Group is also developing two 400MW/4,000MWh PHES

projects in Queensland and Victoria.
Image: BE Power. Renewable energy ...

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Top five energy storage projects in Australia

Sep 10, 2024 · Listed below are the five largest energy storage projects by capacity in Australia, according to GlobalData's power database. GlobalData uses proprietary data and analytics to ...

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Australia: Storage in demand in world's most ...

Nov 10, 2023 · Also last month, the Australian federal government granted approval for Edify Energy's Smoky Creek Solar Power Station, a solar and ...

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A win for EnergyAustralia in energy transition

Sep 4, 2024 · EnergyAustralia has



welcomed today's announcement from the Commonwealth Government that it will support its two major battery storage projects in Victoria and South ...

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CHARGING FORWARD: POLICY AND REGULATORY ...

Dec 9, 2018 · EXECUTIVE SUMMARY
Electricity markets are rapidly changing. The increasing prevalence of renewable energy is redefining the Australian energy market. As the National ...

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Australia: The State of Battery Energy Storage in ...

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 ...

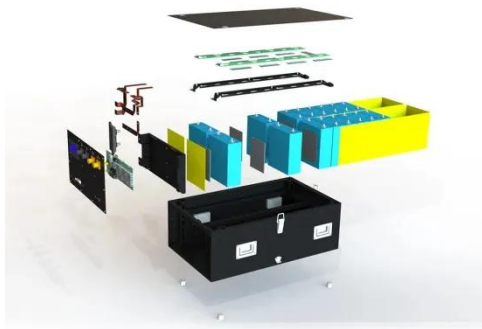
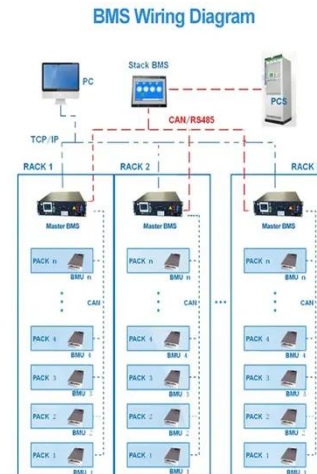
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Australia: 2GWh of energy storage reaches ...

Sep 3, 2024 · The largest energy storage project to reach this milestone is the

4-hour duration 300MW/1,200MWh
Stanwell Big Battery in Queensland, with
the ...

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Mar 11, 2024 · About Clean Energy
Investor Group CEIG represents domestic
and global renewable energy developers
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installed renewable ...

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Energy transition: Waratah Super battery, Australia's biggest, ...

Aug 5, 2025 · One of the world's most
powerful batteries has begun operating
at a former coal-fired power station,
delivering a boost to the energy grid at a
critical time.

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NSW approves 2 GWh battery energy storage ...

Nov 25, 2024 · The department said the



battery, to be built alongside two Transgrid-owned substations in the Hunter-Central Coast Renewable Energy

...

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3.5GWh of co-located BESS awarded in ...

Dec 11, 2024 · In total, 6.3GW was awarded across wind and solar PV power plants. Image: EDL. The first Capacity Investment Scheme (CIS) tender round

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Energy projects

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Battery energy storage in Australia's net-zero ...

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the intermittency of renewables,
balancing the grid, and ensuring reliable
...

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Why BlackRock is investing big in Australia's ...

Feb 7, 2024 · BlackRock, the world's largest asset manager, is investing a billion dollars into Australia's transition to renewable energy. Here's why.

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Mar 11, 2024 · Summary of Key Findings Australia requires a significant growth in energy storage over the next decade to ensure a smooth transition. ons, in the Australian power system. The ...

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Feb 27, 2025 · Australia is ramping up efforts to secure a reliable, low-carbon



energy system, with pumped storage hydropower taking center stage. At the ...

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