

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 dura ons, in the Australian power system. The Australian Energy Market Operator (AEMO) has indicated that 19 G



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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 has a massive pipeline of gridscale 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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storage within Australia's National Electricity Market (NEM) are increasingly profitable due to higher power price volatility ...

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



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Clean Energy Council: Australia investing billions ...

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Wärtsilä selected to deliver third stage of

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

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

Dec 5, 2024 · Technology group Wärtsilä has been selected by Origin Energy (Origin) to deliver the third stage of the Eraring battery facility at Origin's ...

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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

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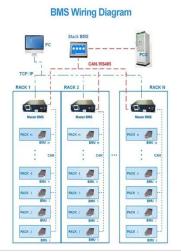
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4-hour duration 300MW/1,200MWh Stanwell Big Battery in Queensland, with the ...

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

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NSW approves 2 GWh battery energy storage ...

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

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

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