
Large-scale energy storage projects in Australia

What is the largest battery energy storage project in Australia?

The battery energy storage system project is currently the largest battery energy storage project in Australia under construction. It is planned at Powell Creek to stabilise and store electricity generated from a six-gigawatt solar farm in the Barkly region.

What is Australia's energy storage capacity?

Australia had 2,325MW of capacity in 2022 and this is expected to rise to 22,076MW by 2030. 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 provide a complete picture of the global energy storage segment.

What are Australia's major energy projects?

States like New South Wales and South Australia are leading with major projects, such as: Woreen Battery Energy Storage System (350 MW / 1.4 GWh) in Victoria. Portland Energy Park, which will combine storage with renewable generation. These investments support Australia's quick move away from coal.

What is the Geelong big battery energy storage system?

The Geelong Big Battery Energy Storage System is a 300,000kW lithium-ion battery energy storage project located in Geelong, Victoria, Australia. The rated storage capacity of the project is 450,000kWh. The electro-chemical battery storage project uses lithium-ion battery storage technology. The project will be commissioned in 2021.

The Denman BESS is a proposed large-scale energy storage project located in the Hunter-Central Coast Renewable Energy Zone, ...

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Quarter 2 2025 marked another soft quarter of investment activity across Australia for both large-scale electricity generation and ...

Commissioned energy storage projects by year. Image: Clean Energy Council As at the end of 2024, there was over 8.7 GW/23.3 GWh ...

The Clean Energy Council (CEC) has reported that large-scale projects continue to lead investment trends in Australia. In Q2 of 2024 alone, over 2 GWh of new storage capacity ...

Quarter 2 2025 marked another soft quarter of investment activity across Australia for both large-scale electricity generation and energy storage projects. Learn more from our ...

The volume of large-scale battery energy storage projects under construction in Australia passed that of solar and wind projects combined in 2023 and the trend has ...

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 ...

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

To the tune of \$2.4 billion, six utility-scale battery storage projects reached financial close in the first quarter of 2025 kickstarting the year with 1.5 GW of storage capacity ...

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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 ...

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