

Australia's environmentally friendly energy storage battery

Is Australia leading the global battery storage boom?

Australia is leading the global battery storage boom with AUD 2.4B invested in Q1 2025. Discover how big batteries are replacing coal, stabilizing the grid, and driving the nation's clean energy transition.

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.

Should Australia invest in battery storage?

As Australia advances its clean energy ambitions, battery storage stands as both a technological necessity and a financial opportunity, delivering reliability, sustainability, and long-term economic gains for investors and the broader energy market.

Why are batteries important for Australia's climate goals?

Beyond financial gains, batteries are essential for Australia's climate goals. By storing extra solar or wind energy, BESS decreases the need for fossil fuel "peaking plants" during high demand, cutting carbon emissions and air pollution. Coal plants, among the dirtiest energy sources, are retiring quickly.

Financial benefits to consumers According to the Clean Energy Council's (CEC) Rooftop Solar and Storage Report, 12.4% of Australia's electricity supply came from rooftop solar in 2024. ...

Unlike wind and solar, batteries can release stored power when needed and they can react quickly, providing energy to the grid. Combining battery storage with wind and solar farms ...

As the world shifts to renewable energy, the importance of battery storage becomes more and more evident with intermittent sources of generation wind and solar playing an increasing ...

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We are developing next-generation energy storage technologies that use thermal energy, compressed air, hydrogen, batteries and ceramics to manage the storage, delivery and flow of ...

CoilRig in South Australia received \$250,000 to test an environmentally friendly drilling system. Azaneo in NSW received \$250,000 for a pilot unit of its weed control technology. Innovation ...

Battery energy storage has a critical role to play in managing the intermittency of renewables, balancing the grid, and ensuring reliable electricity. Australia's journey toward a net-zero ...

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Batteries are one of six clean technologies Australia can rollout to cut our emissions by 81% by 2030. | When renewable energy production is coupled with battery storage, energy is stored ...

The National Battery Strategy sets out the pathway for governments, industry and researchers to realise these opportunities. These actions will strengthen Australia's position in global ...

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