

# **Australia Energy Storage Mobile Power**





## Overview

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How is electricity stored in Australia?

This means a more reliable and constant supply of energy on and off-grid. Currently storage of electrical energy in Australia consists of a small number of pumped hydroelectric facilities and grid-scale batteries, and a diversity of battery storage systems at small scale, used mainly for backup.

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.

Why do we need energy storage systems in Australia?

Clean Energy Council chief policy and impact officer Arron Wood said: "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.

How will battery storage affect Australia's power grid?

Utilities, tech companies, and governments will likely accelerate deployment. This will ensure batteries are central to grid security and climate action. Storage could help Australia manage extreme price swings in the wholesale power market. It may replace coal and gas as the main source of grid reliability.



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Australia: The State of Battery Energy Storage in the NEM

The NEM is home to the world's first 'big' battery, Hornsdale Power Reserve. Since then, battery energy storage capacity has reached 2 GW, with 25 systems.

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