

# The purpose of Canberra energy storage power supply





## Overview

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The Big Canberra Battery project will provide renewable energy security across the electricity grid, help the ACT grow its renewable energy sector, provide more local employment opportunities, and deliver a positive financial return for the Territory. What is the Big Canberra battery project?

The Big Canberra Battery project will provide renewable energy security across the electricity grid. It will help grow the ACT's renewable energy sector, provide more local employment opportunities, and deliver a positive financial return for the territory. Building a cleaner future.

How much power will the Big Canberra battery deliver?

The Big Canberra Battery will be capable of delivering 250 MW of power – more than a third of Canberra's peak electricity demand. It will be able to deliver this power for two hours. The Big Canberra Battery will have 500 MWh of capacity, which on a single charge could supply 23,400 households with their daily energy use.

How much energy will a large-scale battery energy storage system provide?

The large-scale battery energy storage system (BESS) will provide at least 250 megawatts (MW) of power. This is enough energy to power one-third of Canberra for two hours during peak demand periods. This stored energy will be used to support our electricity grid.

Does solar energy storage make economic sense in Canberra?

Whether or not solar energy storage makes economic sense for your home in Canberra depends first and foremost on whether or not you already have a solar system, and if you do whether or not you have access to a Territory-supported solar feed-in tariff.



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### [Energy Storage Systems: Technologies and ...](#)

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### [Big Canberra Battery - Williamsdale BESS](#)

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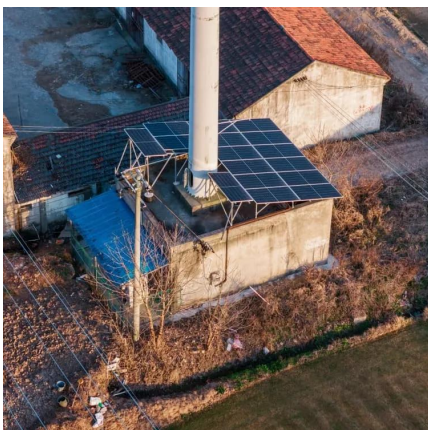
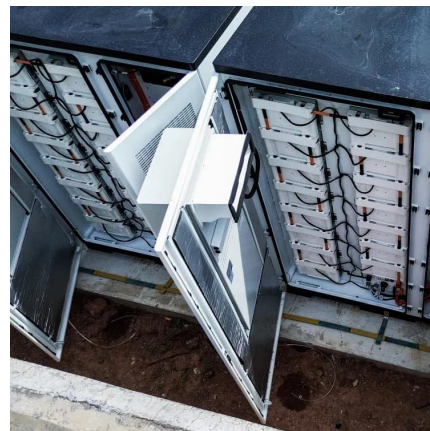
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Why the Canberra Energy Storage Project Is Making Headlines Australia's capital is stepping into the renewable energy spotlight with its ambitious Canberra energy storage reservoir project. ...



### [ACT includes 250 MW big battery in \\$307m ...](#)

Jan 21, 2021 · The Australian Capital Territory Government continues its charge towards delivering big battery storage for Canberra's energy grid ...



### **Ekus Energy**

Dec 4, 2025 · The ACT Government is future-proofing Canberra's energy supply by expanding its renewable energy storage with a new partnership with global specialist energy storage ...



### [Canberra begins construction of battery](#)

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### [Australia: Eku Energy Secures 250 MW for Storage in Canberra](#)

Nov 7, 2024 · Energy storage specialist Eku Energy has announced the financial close for its Williamsdale Battery Energy Storage System (BESS), located in the Australian Capital ...

### [Big clean energy delivery for Canberra](#)

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### [What is the purpose of energy storage ...](#)

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## [What is energy storage?](#)

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## Concept Paper

Jun 25, 2025 · Energy storage bridges the gap between energy production and consumption by capturing excess electricity when generation exceeds demand and releasing it when needed, ...



## Advancing Canberra's Energy Landscape with Community Battery Energy

Jan 13, 2025 · With a \$1.5 million investment and support from Evoenergy, Canberra's electricity distribution network service provider, the new project aims to bring energy storage closer to ...



## [Energy storage: systems and how to store it](#)

Dec 21, 2023 · Energy storage systems help to overcome obstacles related to energy generation from renewable ...





## [Energy storage canberra](#)

"The Big Canberra Battery represents a significant milestone for Eku Energy as we celebrate our first gigawatt-hour of battery energy storage in delivery in Australia," he said. Eku Energy ...

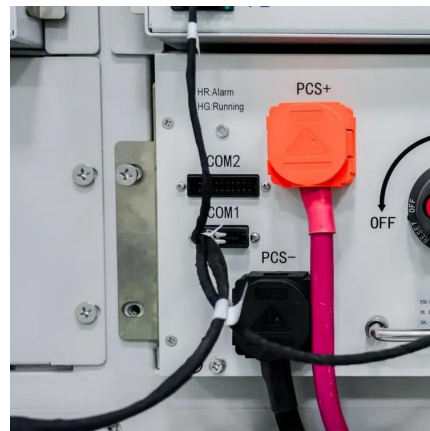


## [What Is Energy Storage , Renewable ...](#)

Jun 8, 2022 · What is Energy Storage? Energy Storage Systems Training Energy storage (ES) is a crucial component of the world's grid ...

## [Powering Canberra's Future: The Role of Battery Energy Storage ...](#)

Aug 13, 2025 · Canberra, the heart of Australia's push toward renewable energy, is embracing the transformative potential of Battery Energy Storage Systems (BESS). These advanced systems ...



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## Construction of canberra compressed air energy storage ...

The compressed air is sent down a shaft into a purpose-built underground cavern. When energy is required, compressed air is sent back up the shaft to drive a turbine, which generates ...



## ENERGY STORAGE IN THE ACT

Mar 18, 2025 · Energy Storage is critical for ACT's 100% renewables and net-zero target. Helps to put downward pressure on electricity price paid by ACT consumers. Reduces the need for ...

## Big clean energy delivery for Canberra

Sep 6, 2025 · The ACT Government has taken delivery of its Big Canberra Battery transformer, which is set to ensure stored electricity is converted to the correct voltage to be safely supplied ...



## **Canberra begins construction of battery energy storage system**

Nov 27, 2024 · The Australian Capital Territory (Act) Government and global energy storage firm Eku Energy have begun construction on the Williamsdale Battery Energy Storage System ...



## Milestone for Big Canberra Battery

Jul 23, 2024 · The Big Canberra Battery will be capable of delivering 250 MW of power - more than a third of Canberra's peak electricity demand. It will be able to deliver this power for two ...



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