

Canberra s new energy storage power source





Overview

Will a big battery power Canberra?

The government said the big battery project will be capable of responding rapidly to network constraints and will be able to store enough renewable energy to power one-third of Canberra for two hours during peak demand periods. The Williamsdale battery will be developed, built and operated by Macquarie Group offshoot Eku Energy.

Will a 250 MW / 500 MWh battery energy storage system 'future proof' Canberra?

The way has been cleared for construction to begin on a 250 MW / 500 MWh battery energy storage system that will help “future proof” the Australian Capital Territory’s energy supply by reducing the load on Canberra’s electricity network and increasing network reliability.

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.

Will big battery power a third of Canberra households in 2025?

Canberra Times: ground breaking ceremony, plugging in profits from a big battery. ITP Renewables was engaged by Eku Energy to provide expert planning support throughout the development and delivery phases of the 250 MW Big Canberra Battery system, which will begin powering one-third of Canberra households from 2025.



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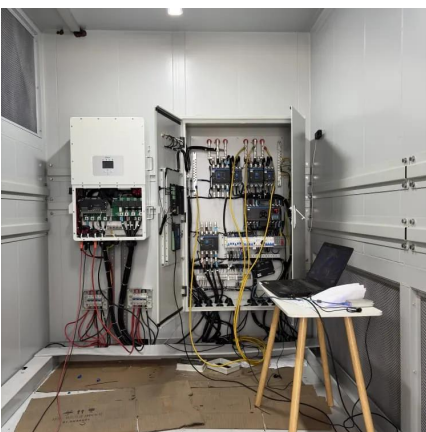


Milestone for Big Canberra Battery

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 ...

Battery energy storage in Australia's net-zero ...

Jun 23, 2025 · Battery energy storage has a critical role to play in managing the intermittency of renewables, balancing the grid, and ensuring reliable ...



The Big Canberra Battery , Williamsdale ...

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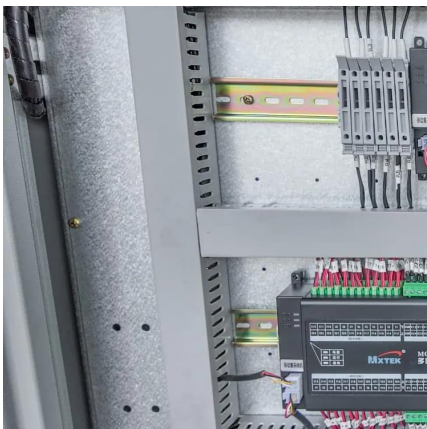
Canberra energy storage station

The ACT Government's partnership with Eku Energy to develop Stream 1 of the Big Canberra Battery Project in Williamsdale will commence construction later this year. The grid-scale ...



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 ...



Canberra begins construction of battery

...

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



Eku Energy breaks ground on ACT's biggest BESS

Nov 22, 2024 · Eku Energy has started constructing a 250MW/500MWh battery energy storage system (BESS) in Canberra, the Australian Capital Territory (ACT).





DYNSS BETS ON THE ENERGY STORAGE MARKET IN BRAZIL

Brazil's new energy storage battery Grid operator ISA CTEEP has started commercially operating a large-scale battery energy storage system (BESS) at the Registro substation in the Brazilian ...



Canberra new energy storage battery project

Big Canberra Battery The large-scale battery storage system will deliver 250 megawatts (MW) of power, store renewable energy and support grid reliability. This is enough energy to power one ...

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 ...



Macquarie's Eku gets green light for 500 ...

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[Eku Energy Finalizes Funding for 250-MW Battery Project](#)

Nov 7, 2024 · Eku Energy secures funding for a groundbreaking 250-MW battery project in Canberra, set to revolutionize renewable energy storage and power grid stability by 2026.



[The Big Canberra Battery , Williamsdale Energy Storage ...](#)

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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. ...



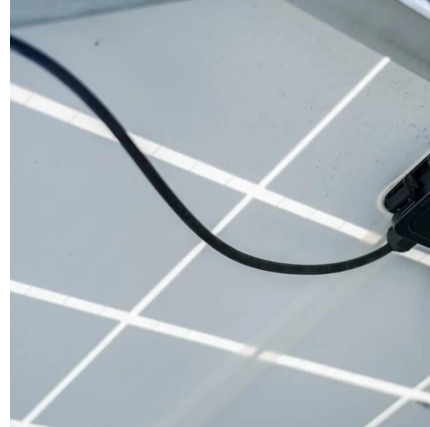
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Sep 7, 2023 · Tens of thousands of small-scale hydro energy storage sites could be built from Australia's farm dams, supporting the uptake of ...



[Canberra Photovoltaic Power Generation and Energy ...](#)

This is enough energy to power one-third of This study explores the integration and optimization of battery energy storage systems (BESSs) and hydrogen energy storage ...

[A review of energy storage types, applications and recent ...](#)

Feb 1, 2020 · Recent research on new energy storage types as well as important advances and developments in energy storage, are also included throughout.



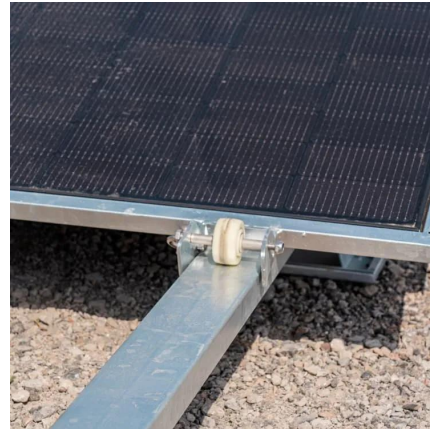
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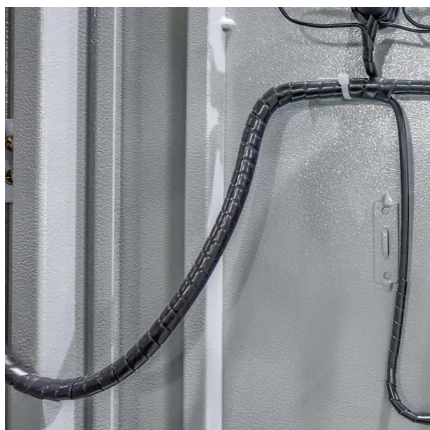
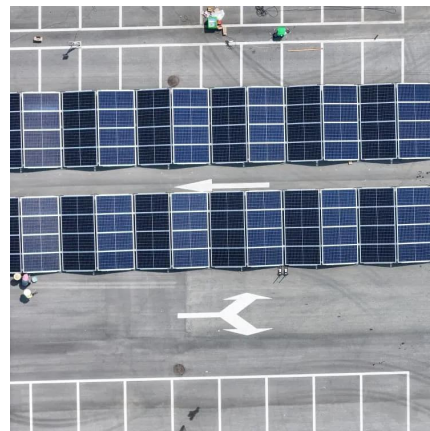


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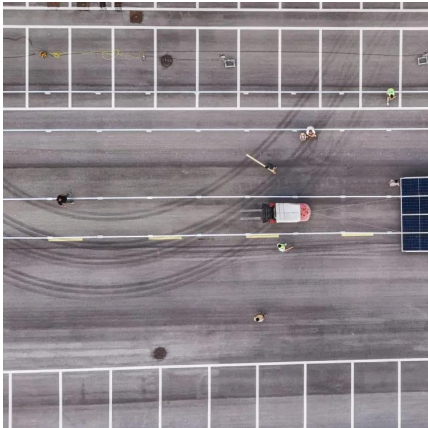
[Australia: Eku Energy Secures 250 MW for Storage in Canberra](#)

Nov 7, 2024 · Eku Energy has closed financing for its 250 MW/500 MWh storage system in Canberra to enhance energy security and support ACT climate targets.



[Comprehensive review of energy storage systems ...](#)

Jul 1, 2024 · Energy storage is one of the hot points of research in electrical power engineering as it is essential in power systems. It can improve power system stability, shorten energy ...



[Habitat Energy to Enhance 250-MW Canberra Battery Storage](#)

Dec 14, 2024 · Habitat Energy partners with Eku Energy to harness AI for optimizing a pivotal 250-MW battery system, driving Canberra's renewable transition towards a net-zero future by ...

[Construction begins on ACT's 250 MW Williamsdale BESS](#)

Feb 11, 2025 · The Australian Capital Territory (ACT) government and Eku Energy have commenced construction of the Williamsdale Battery Energy Storage System (BESS), a 250 ...



[Advancements in large-scale energy storage ...](#)

Jan 7, 2025 · 1 INTRODUCTION The rapid evolution of renewable energy sources and the increasing demand for sustainable power systems have ...



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