

SolarInnovate Energy Solutions

Canberra makes energy storage batteries



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.

How will Canberra's new battery storage system work?

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-third of Canberra for two hours during peak demand periods. Behind-the-meter batteries will be installed to help power essential services across nine government sites.

How will battery storage affect Canberra's electricity grid?

Battery storage will play an increasing role in Canberra's electricity grid as we move towards electrifying our city and achieving net zero emissions by 2045. Wind and solar energy make electricity that large-scale batteries can store. Batteries help support the electricity grid when the sun and wind can't.

Why is the Big Canberra battery project important?

This energy can be saved to use when the sun isn't shining, reducing the site's electricity bills. The Big Canberra Battery project will support a more reliable electricity supply for the ACT. Energy demand can rise and fall throughout the day. Having access to stored electricity can help during peak times.

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.

How many jobs will the Big Canberra battery create?

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. Approximately 180–200 jobs will also be created through the project. More batteries for Canberra

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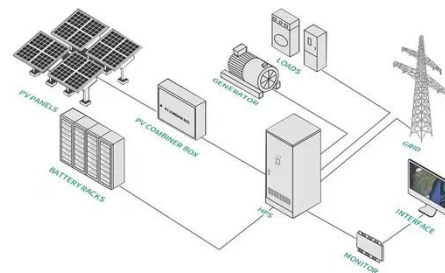


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