



Fact sheet | Koolunga

# Battery Energy Storage System (BESS)

## Koolunga BESS Project Overview FAQ

### What is a Battery Energy Storage System?

Our Koolunga BESS (or big batteries) uses energy storage technology to capture energy from different sources (grid, solar, and wind) to store for later use. The BESS will provide reliable, clean, and affordable electricity, giving more flexibility to the power system operators and utilities to quickly discharge energy to consumers during peak demands, power outages and shortages. It can also bolster electricity supply to South Australia's grid when there is not enough sun or wind to generate energy.

### How does BESS work and is it safe?

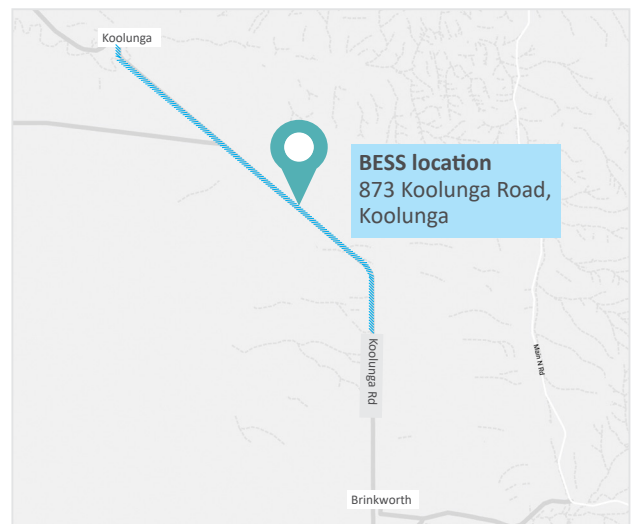
Our BESS works like a standard battery used to power electronic devices. It requires several extra components to connect to an electrical network and meet Health, Safety and Environmental (HSE) standards set out by the South Australian Government and Environment Protection Authorities, to ensure our BESS is safe and reliable.

### Where will the BESS be located, and what is its capacity?

Our proposed BESS will be located at 873 Koolunga Road, Koolunga, South Australia, covering about 1.80 hectares of land. We acknowledge the Ngadjuri people as the traditional custodians of the land.

Containing up to 640 battery enclosures and required infrastructure, the Koolunga BESS will act as a large-scale power generator and connect to the SA's electricity transmission grid. It can store up to 200MW of energy supplying 4 hours of electricity to power up to 26,000 South Australian homes.

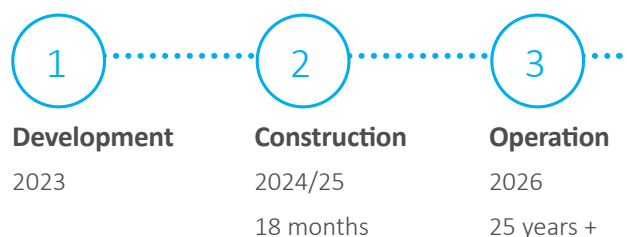
### Project location



### When will construction start, and how long will the BESS last?

We estimate the construction of our Koolunga BESS to begin from 2024, taking up to 18 months to complete. The Koolunga BESS can last for up to 25 years, after this it will be decommissioned with the batteries being recycled and repurposed.

### Project timeline



## Need more information

 **Call** (+61) 3 7020 3323

 **Visit** [www.equis.com.au](http://www.equis.com.au)

 **Email** [AUProjects@equis.com](mailto:AUProjects@equis.com)

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*The information contained in this document is accurate as of January 2025.*



## What is the land currently used for, and why was it selected for the Koolunga BESS?

Our Koolunga BESS will be built on land covering about 7 hectares which is currently used for agriculture. We selected this area following extensive studies conducted across several locations. The site meets all technical, community, cultural heritage and environmental requirements. The site's proximity to the 275kv Brinkworth Substation is about 1.1km south-west of the site, and will connect the BESS to a transmission line feeding into the substation to supply power to the SA electricity grid.

## How will environmental, social, and health and safety impacts be managed?

Our project site must meet stringent Australian Government standards and frameworks. We have engaged independent experts to assess our project sites and implement measures to mitigate and minimise impacts. They will conduct assessments on environment and biodiversity, cultural heritage, noise, traffic, landscape, visual, fire and bushfire hazards. Detailed fact sheets about managing impacts are available on our website and engagement hub.

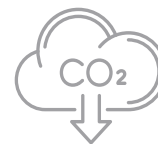
## What benefits will the Woolooga BESS offer?

Our proposed Koolunga BESS can deliver affordable, clean, and reliable electricity to communities while helping to meet South Australia's future electricity needs. It can provide economic, social, and environmental benefits, including:

- Storing up to 200MW of energy.
- Providing about 4 hours of electricity a day to power up to 26,000 SA homes.
- Creating up to 115 jobs, 110 construction jobs and 5 operational jobs.
- Funding local community benefit programs
- Allowing more renewable energy into the grid to help reduce volatility and lower electricity prices.
- Reducing up to 196,180 tonnes of carbon emissions.



Power up to **26,000** SA homes



Reduce up to **196,180t<sup>2</sup>** emissions



Create up to **115 JOBS**



Store up to **200MW** of energy

## How can I provide feedback or raise a concern about your project?

You can email us at [AUProjects@equis.com](mailto:AUProjects@equis.com) or phone (+61) 3 7020 3323 to provide feedback about our project in your area.

## How can I learn more about your project?

You can learn more about our projects by:

- Visiting our [website](#)
- Registering on our [engagement hub](#)
- Attending a project information session.

We will publish project information and updates in our newsletters, emails, and fact sheets which will be available from our website and engagement hub.

1. Estimate based on EPA.gov calculator

2. Estimate based on a 2-hour storage assuming the balance from wind and energy from waste is 5,000 kWh per year consumption per household.