

Community batteries



Endeavour Energy is looking to install a community battery in your neighbourhood.

A community battery is a battery connected to the local electricity network that individual customers can use for solar energy storage.

Community batteries help households save on energy costs, and provide more people with access to solar and a low-cost storage option.

Community batteries also help to improve the reliability and quality of local electricity supply, particularly in areas with lots of rooftop solar.

Endeavour Energy is responsible for providing and maintaining the community battery. We are working with local councils and communities to find the best location for community batteries, and as part of this are consulting with local residents on the proposed locations.

Once the battery is ready, we will partner with an electricity retailer to enable customers to connect to the battery.

FURTHER INFORMATION

[www.endeavourenergy.com.au/
communitybatteries](http://www.endeavourenergy.com.au/communitybatteries)

Phone 131 003

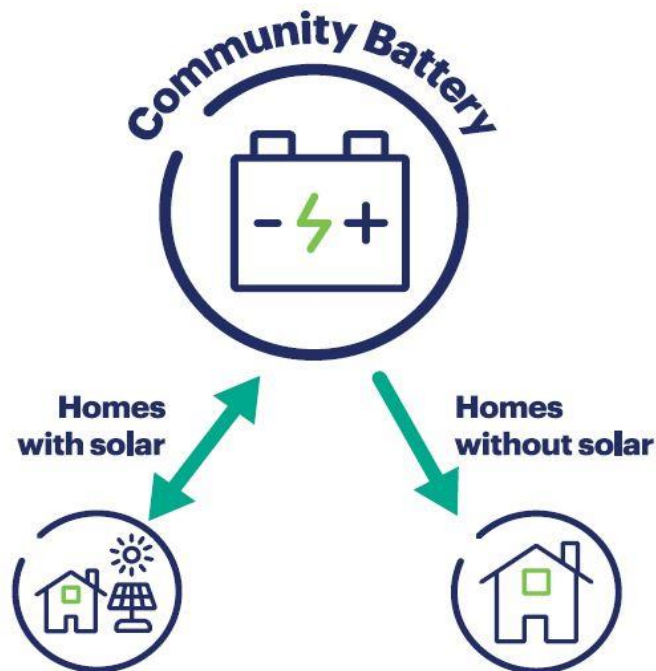


Community batteries provide a shared battery solution allowing residents to store excess power generated during the day by their rooftop solar cells for later use in the evening when demand on the electricity network is higher, or when the sun isn't shining.

They also provide people without roof top solar with access to solar energy generated within the neighbourhood, helping everyone to save on energy costs.

Local residents living near the battery will be invited to participate, with the battery operated in partnership with a retailer.

How do community batteries work?



Homes with solar: Your excess solar is stored in the community battery and available when you need it.

Homes without solar: Excess solar generated by your neighbours is stored in the community battery – and available for you to use.

Benefits of a community battery

By participating in a community battery trial, you can:

- Save on household energy costs
- Access battery storage without upfront costs
- Reduce your household carbon footprint



Will the battery increase my electricity prices?

Community batteries put downward pressure on electricity prices for all customers as they reduce the ongoing investment in traditional infrastructure. Customers who subscribe to a community battery will save on household electricity costs by having access to stored solar energy.

How are the community battery locations selected?

Significant consideration is given when selecting locations for batteries with factors including safety, environmental, public amenity and the network constraints in the area thoroughly reviewed. A detailed environment assessment is undertaken to assess any community impact, and consultation is undertaken with the local council and community.

Are community batteries safe?

Safety underpins everything we do at Endeavour Energy, and we maintain the same commitment to safety for community batteries as we do for all our network assets. Community batteries operate within Endeavour Energy's network standards and guidelines and recommendations under the Australian Standards.

Will the battery make noise?

Our community batteries comply with the NSW Environmental Protection Authority's Noise Guidelines. Noise from the batteries is produced during charging cycles and from air conditioning units attached to the battery.

Potential noise impacts to the community have been assessed as part of our location review process. We have implemented measures to ensure batteries installed do not emit intrusive noise within the community. All Endeavour Energy batteries are installed to meet the NSW Environmental Protection Authority's Noise Guidelines.

Will the battery interfere with my phone, internet or television?

No, the battery technology is like the battery in your mobile phone and won't have any impact on the technology in your home, in the same way that your mobile phone battery doesn't impact on your phone, TV or internet. The batteries operate within the Australian Standards for Electro-Magnetic Fields (EMF).

Can I draw on the battery during a blackout?

No, community batteries will not operate during a power outage.

Have you considered the visual impacts?

Battery locations are selected following detailed technical, safety and environmental assessments that consider the visual amenity of the proposed location and the potential impact to views around the neighbourhood.

Do the batteries pose a fire risk?

The batteries are designed to meet the Australian Standards, they are also fitted with air conditioning units and fans to regulate temperature. Like all electrical assets within our network, the batteries will be remotely monitored 24/7, and fitted with alarms and self-shut off systems which will disconnect and power-off the system if abnormal conditions are detected and alert our control centre to the incident.

Endeavour Energy has dedicated Emergency Response Officers to manage all Fault and Emergency incidents on the network. We also work very closely with FNSW and the RFS to plan for and respond to incidents. Any damaged or end of life batteries will be removed from site for recycling by a licensed supplier.

Why do you select a pole top or ground-mount battery?

Community batteries are an innovative solution for local energy storage, and they come in two main types based on the electricity network configuration.

Pole Top Batteries: These are suitable for areas with an **above ground network**. They are installed on top of power poles and directly connected to the overhead lines.

Ground-mount batteries: These are used in neighbourhoods with an **underground network**. They are placed on the ground and connected to the subterranean power lines.

The selection between a pole top battery and a ground-based battery is crucial for ensuring compatibility with the existing electrical infrastructure and maximising the efficiency of the community battery system.