

Carrum Downs Community Battery

We're installing a community battery at Banyan Reserve, on Bunurong Country, to support local solar generation and energy use in the area.

Once operational by mid-2026, the battery will soak up excess solar from nearby rooftops and share the benefits of local renewable energy with nearby customers.

This project forms part of the Australian Government's Community Batteries for Household Solar Program.

What is a community battery?

A community battery acts like a large energy storage system for the local neighbourhood and is connected to the local electricity network.

Solar panels on roofs often generate more energy than households can immediately use. Rather than going to waste, this extra energy is stored in the community battery when demand for power is low, and then released back into the electricity grid and community when demand is high and solar systems are no longer generating.

In short, the battery will provide benefits for all local customers – whether they have solar panels or not.

Why are you installing one in Carrum Downs?

Carrum Downs was chosen by the Federal Government through its Community Batteries for Household Solar Program.

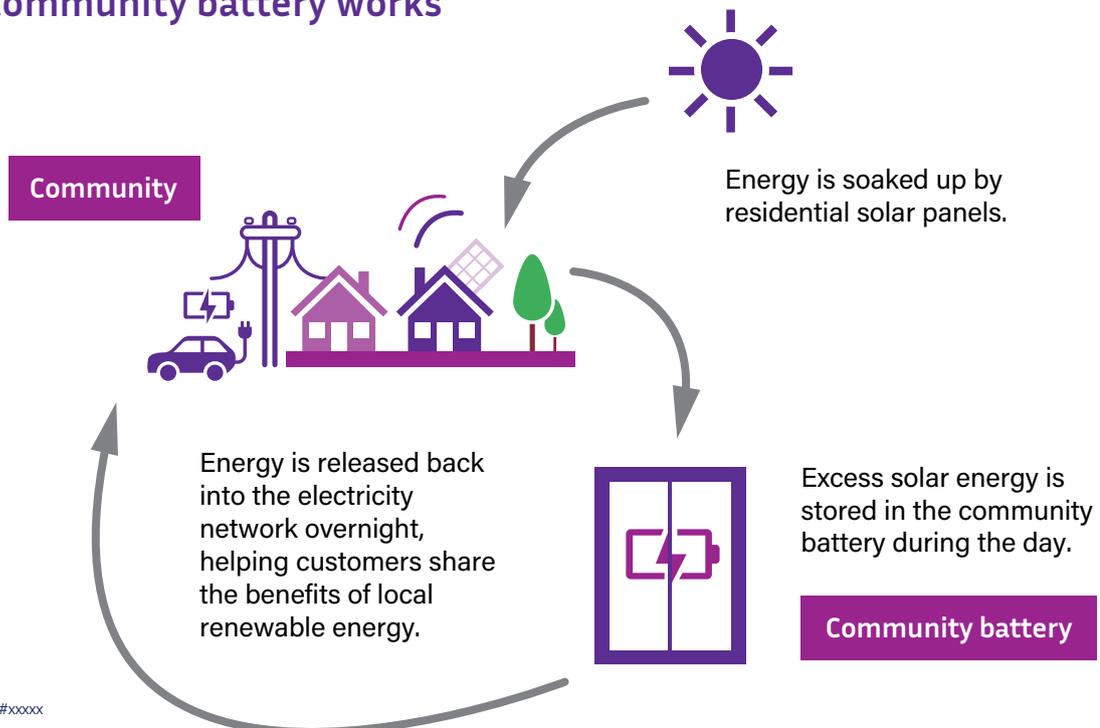
United Energy applied to the program due to Carrum Downs' high solar penetration, making a new battery a suitable option for the area.

How did you choose this location?

We investigated multiple sites across the United Energy network and identified Banyan Reserve, near Luscombe Avenue, as the most suitable location.

Banyan Reserve offers a large open space with no impact on cultural heritage or public amenity, making it an ideal location which was also endorsed by the local council.

How the community battery works



What will the battery look like?

The ground-mounted battery is about the size of a small van. The unit will be approximately 1.5 metres wide, 2.6 metres high and 2.9 metres long. A new underground cable connecting the battery to the nearest power pole will also be installed.

The battery is designed to withstand high temperatures, corrosion, dust, insects and humidity.



An example of a Community Battery, recently installed in the Powercor network in Maldon, by Dja Dja Wurrung artist Daikota Nelson.

A first look at the artwork

We've been working with a Bunurong artist, Kobi Sainty, to develop a concept for the battery's artwork.

Following consultation with the neighbouring households, we're pleased to share the preferred design: **Djambana, gathering and walking Country together.**

Kobi Sainty's artwork tells the story about caring for Country, community gathering on Country, and the celebration of Bunurong Culture. Kobi has included symbols to represent both men's and women's business and has represented the matriarchal Bunurong Grandmothers.



Carrum Downs Community Battery artwork by local artist, Kobi Sainty.

Carrum Downs Community Battery fast facts



Battery details

The 120kW/360kWh battery will supply up to 138 nearby properties and will be the first network-owned, ground-mounted community battery in the United Energy network.



Noise assurance

The battery will operate quietly, producing a similar level of noise to a household airconditioner.



Safety in design

The battery will be built and operated in line with strict Australian standards and monitored 24/7 by our control rooms.

More information:

To speak to our team about this upgrade call: **1300 131 689**, email majorprojectsunitedenergy@ue.com.au or visit unitedenergy.com.au