

Greenbank Battery



The Greenbank Battery is a grid-scale battery in the Logan City Council area.

The battery is located next to Powerlink's Greenbank Substation and connects to existing transmission infrastructure. The Greenbank Substation is a key part of the electricity network and offers excellent connections into the South-East Queensland power grid.

The Greenbank Battery has a discharge capacity of 200 megawatts and can store 400 megawatt hours of energy. This means during the evening peak demand period, the battery can power 66,000 homes for up to two hours before needing to recharge.

The battery comprises 108 Tesla Megapack 2XL units. Each megapack is made up of the battery module, paired with its own inverter and associated heat management systems and wiring.

The Megapack is one of the safest battery storage products of its kind. Units undergo extensive fire testing and include integrated safety systems, and specialised monitoring software.

CS Energy has provided \$40,000 to date for projects, events and initiatives in Greenbank and local suburbs through the Greenbank Community Benefit Fund.

Fast facts

- **200MW/400MWh capacity**
- **Capacity to power 66,000 homes for two hours**
- **Tesla Megapack technology**
- **Commenced operations in June 2025**
- **Located on the traditional lands of the Yuggera Ugarapul peoples.**



How it works

There's often a surplus of solar and wind energy produced in Queensland during daylight hours.

The Greenbank Battery stores surplus energy produced during the day, and then releases it during the evening peak when demand increases.

Batteries are fast and flexible, able to turn on and off in a fraction of a second. And because they can ramp up and down quickly they are also able to rapidly respond when there is a sudden gap in electricity supply, helping to stabilise the grid and support system security and reliability.



Project milestones

- **Site selection and feasibility** – 2022
- **Planning approvals** – 2023
- **Construction commenced** – 2023
- **Arrival of first battery** – 2024
- **Commercial operations** – June 2025



Further info

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and sustainable energy for Queensland**

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