

TARONG BATTERY ENERGY STORAGE SYSTEM (BESS)



80 jobs during construction and six ongoing jobs



600 MWh
300MW for two hours duration



equivalent of
101,000
homes powered



31,560
kilograms of CO₂ emissions avoided each full discharge

About Stanwell

Stanwell is Queensland's leading provider of electricity and energy solutions to the National Electricity Market, and large energy users along the eastern seaboard of Australia.

With over 40 years of continuous operations, Stanwell's experience in working with communities to build, operate and maintain energy generation assets is now being applied in the transformation to clean energy.

Stanwell is developing a pipeline of renewable energy and storage projects throughout Queensland, whilst maintaining a reliable supply of baseload power to deliver on Queensland Government's renewable energy target of 80% by 2035.

Stanwell acknowledges the traditions and cultures of First Nations people, and recognises their continuing connection to land, water and community where we live and work. We respect and honour their Elders, past, present and emerging, and we commit to providing the spark for a bright future together.

The Tarong BESS is a 300MW / 600 MWh (two-hour duration) lithium-ion battery that is under construction within the Tarong Power Station precinct.

The project increases Stanwell's dispatchable capacity and is critical to Queensland's energy future - providing clean, reliable energy and generating jobs, investment and growth for South Burnett region.

The Tarong BESS is being built in two stages. Construction of Stage 1 commenced in August 2023, with commercial operations scheduled to begin in Q1 2025. Stage 2 is scheduled to commence operations in mid-2025.

Batteries are an energy storage technology that uses chemicals to absorb and release energy on demand.

They can be charged when energy generation is high, and discharge energy back into the grid when generation is low or demand is high, or to maintain grid stability.

This system can charge and discharge electricity several times a day and can respond within fractions of a second to electricity demand.

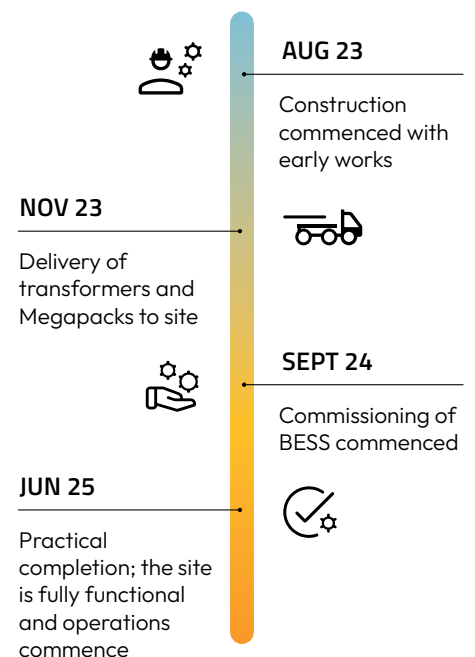
The Tarong BESS forms part of Stanwell's goal to have 5GW of energy storage online by 2035.

The Tarong BESS will comprise 164 lithium-ion Tesla Megapack 2XL units. Yurika - a Queensland government-owned company - has been contracted to install them.

Up to 80 full-time jobs will be created over the construction phase, with six full-time jobs over the 20-year operation and maintenance phases of the project.

They will be supported by a number of local contractors supplying a variety of services including civil works, cranes, plumbing, concrete supplies and quarry materials.

Project Schedule



Find out more,
scan the QR code