JINDALEE ENERGY

Understanding Batteries (BESS)

Australia's Energy Transition

With Australia at a critical juncture in the energy transition to net zero, massive changes are underway with our energy networks.

At Jindalee Energy, our mission is to assist in the transition and provide reliable and sustainable energy solutions.

We are already working with farmers and land owners to assess the suitability of renewables and storage, creating the opportunity to secure reliable annual payments and provide an overview of the impacts on their land.

We are committed to promoting both objectives of the inevitable energy transition with the needs of famers and their surrounding communities.

What is BESS?

Battery Energy Storage Systems (BESS) are essentially big AA lithium batteries stacked into 20-40 foot style containers, which also contain air-conditioning, fire suppression and a bunch of other technology to ensure the smooth operation of the battery.

How Large are the Batteries?

There are a number of factors to consider when assessing the scale and footprint of the BESS. First consideration is the capacity of the electricity grid the battery is connecting to. Once that's determined, operators will propose a battery based on the MW output and MW hours (MWh), for how long it operates.

For example, a 100MW, 4 hour battery, will be able to supply a maximum of 400MWh output to the grid in one cycle.

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Are Batteries Safe?

Modern battery facilities are designed with safety as a priority and must meet strict Australian and NSW standards. They include monitoring systems, fire protection measures and emergency response plans that are reviewed by regulators and Fire and Rescue NSW before approval is granted.

Can I farm land around the battery?

Yes. In nearly all cases, farming continues as usual outside the fenced battery area.

Cropping, grazing and general farm operations can continue, often right up to the boundary fence. Access tracks are planned to minimise any impact on day-to-day farm activities.

What are we looking for?

Jindalee is focused on the Riverina region.

For batteries, we are seeking up to 10ha sites, although scale will usually be smaller (<5ha). Solar sites will require 100-200ha. Both types of projects need to be in close proximity to medium / high voltage power lines or substations.

Will Neighbours be Consulted?

Yes. Community consultation is a formal part of the NSW State Government planning process (under State Significant Developments).

Neighbours are notified and given an opportunity to ask questions or provide feedback. Where needed, visual screening and other measures are included to reduce impacts.

Will the Battery be Noisy?

Batteries do produce some noise from cooling equipment, but noise studies are required as part of the approval process. Systems are designed to stay within NSW noise limits, and in practice most landowners notice little to no impact, particularly given the distance from homes.

About Jindalee

We are not an overseas corporation, we are owned by Australians based in Sydney and the Riverina. We are a small team on the ground, dealing with locals and no BS.

We have experience in the electricity market, building large projects and financing major projects.

Our Team

Ben Loiterton
Ben is based in Sydney and is focused on working with investors and Operational partners

George Loiterton
George is based in Sydney and is focused on operational and project management

Ric McCarthy
Ric is based in Junee on a rural property and is at the forefront of discussions with owners and the community.