

Understanding Large Scale Solar Farms

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 farmers and their surrounding communities.



Why So Much Solar?

A 2022 study by the NSW Agriculture Commissioner found that renewables would likely use about 0.1% of rural land in NSW. Under a worst case scenario, some high concentration renewable energy zones (REZs) could see up to 3% of rural land used.

The solar farms vary in size based on access to the grid and available property. Small farms are roughly 100ha and larger farms can be up to 1,000ha or more.

Can farm land be utilised around the solar panels?

Yes. In nearly all cases, farming continues as usual outside the fenced solar areas. In many cases, sheep are used to graze in and around panels, assisting with vegetation. Studies have shown that sheep grazing in solar show improved wool yields compared to those in open, exposed pastures.

Do Solar Panel Contaminate Soil?

Solar panels used in Australia today do not pose a contamination risk. They are primarily made from glass, aluminium, polymers and monocrystalline silicon. Less than 1% of the materials used include copper, silver, tin and lead.

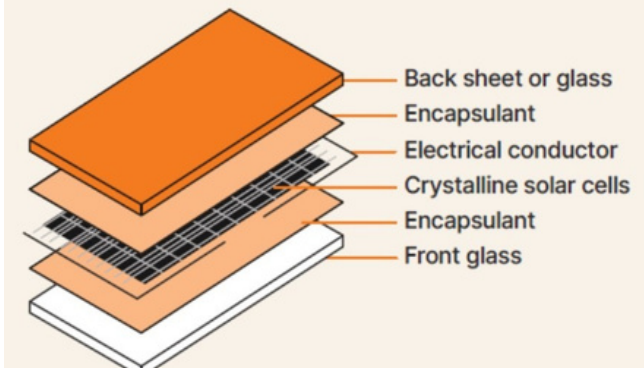
The chemical layer in a panel is extremely thin, about 3% the thickness of a human hair and is sealed between two layers of heat strengthened glass with an industrial laminate. This structure prevents leaching under normal operating conditions

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.

The components of a solar panel



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.

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.