Case Study: Edson Piggery, Funded by Coles Nurture Fund

System Stats

Application: Off-Grid System
Location: Tepko, SA
Installed: Jan 2020
Key Brands: Selectronic, SelectSun, Trina Solar, BAE, Clenergy

Load Analysis

Ave Summer Demand: 280kWh/day
Ave Winter Demand: 190kWh/day



Objectives & Site Considerations

The property SWER Network connection for Edson Piggery was insufficient for their needs - both now and for any future expansion. This made off grid an attractive option.

The off grid system would need to power the Piggery feed lots, farrowing sheds, staff facilities, and growing pens.

Edson Piggery secured funding through the Coles Nurture Fund, for the installation of the power system - as well as other sustainability enhancements at the facility.

System Design

Ground mounted solar was deemed the most appropriate for the site, and land was prepared for the installation of the arrays.

A new shed was custom-fitted on site to house the battery and inverter equipment.

- 296 x Trina 310W Modules (91.76kW)
- Ground Mounted Frames at 30° pitch
- 2 x SelectSun 40k Solar Inverter
- 3 x Selectronic SPPro Inv/Ch
- 120 x BAE VRLA Batteries (535kWh)

Project Outcome

Stringent project management enabled a streamlined installation process, despite unavoidable product supply delays that occured.

The off grid solution provided will generate enough energy to power the entire farm, slashing long-term power costs and cutting emissions.

A seperate grid connected solar system was also installed on the adjoining home.

Edson Piggery are proudly the first off grid piggery in Australia - leading the way with sustainable pork production

Off-Grid Energy Australia

Off-Grid Energy is a designer and installer of high quality battery storage systems for a range of applications.
We are a national company who pride ourselves on friendly and lasting customer service, sustainable business practices, and cutting edge technology.

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