

Case Study: Kangaroo Valley, Australia



Solar Choice 20kW Demonstration Project

Location: Kangaroo Valley, Australia
System Size: 20kW
Modules: 260W LG-260S1C-G3
Owner: Angus Gemmell, Solar Choice Managing Director



Summary

Solar Choice recently completed a 20kW project on a farm in the Kangaroo Valley overlooking Jervis Bay just south of Sydney, Australia. This array serves as a demonstration project to explain to Solar Choice's 80,000 residential and commercial customers how to optimize roof space for PV despite restrictions from utilities. Tigo was selected for this project as its optimizers offer the perfect solution to issues of micro-shading caused by roof structures as well as varying shade patterns across roof tiers throughout the day. Tigo's real-time module-level monitoring capabilities and compatibility with all tier-one inverter manufacturers also contributed to Solar Choice's decision to optimize this array with Tigo.



The Solar Choice Goal

This 20kW system serves as an example to all Solar Choice customers how to:

- Maximize power production despite micro-shading and grid limitations
- Integrate DC optimizers with energy storage
- Integrate battery storage with the grid despite connection limitations

The Result

Angus Gemmell is exceptionally pleased with the project results. The Tigo optimizers were integrated seamlessly with all-black modules, black racking and end clamps, to give the system a sleek and elegant appearance that does not impose on the beautiful natural landscape. Already Solar Choice's demonstration system is serving as an example of how to manage voltage rise while using storage to stay grid-connected.



Customer Testimony or Installer Testimony

"The online Tigo portal exceeded expectations in terms of both functionality and user-friendliness." Angus Gemmell, Solar Choice

For more information about this project, [please see an article written by Solar Choice Here](#)