

Gippsland Solar Case Study - Camberwell Grammar School



SYSTEM DETAILS

Solar panels – 2650 x Trina 350W frameless panels

Inverters - 34 x Fronius European inverters

System capacity – 862kW

Power production – Approx 1,000,000 kWh's per year

Carbon savings – Approx 1,200 Tonnes per year

THE STORY

In early 2018, Gippsland Solar installed the largest solar system on a school in Australia, a 862kW (2,650 panel) system across the Camberwell Grammar School precinct in Canterbury.

The impact of this system will be significant. It will generate around 1GWh (1,000,000 kWh's) of renewable energy per year, reducing Camberwell's environmental footprint by 1,200 Tonnes per year. And when the school is closed (particularly in summer), this system will export many hundreds of kW of solar electricity into the nearby grid, providing a critical service to reduce demand from traditional energy sources.

The project was driven entirely by the school student council, who presented the idea to the board at Camberwell, demonstrating great student leadership from within.



As part of this project, Gippsland Solar are also installing two 'off grid classrooms'. Two of the science classrooms will be powered entirely by solar and a Tesla Powerwall, with a TV screen showing their usage in the classroom. The two classrooms will compete on energy efficiency for 6 months, creating an extra level of educational value to the project.

The feedback from Camberwell Grammar at the completion of this project was overwhelmingly positive, with its board saying that Gippsland Solar's tradesmen were some of the most professional they have ever worked with. They also praised our team for the ability to work on a large and heavily regulated site, with no interruption to the school operation.

The school is now investigating a large Tesla Powerpack battery storage system on site, to complement the solar installation.

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