



Case Study



Regional Australian College expands solar system with FIMER's inverter

Recently, a regional Christian College in Chinchilla (approx. 300km west-northwest of Brisbane) expanded their solar system using FIMER's PVS-50/60-TL inverter which has enabled them to lower their energy costs even further.

Back in 2017, GI Energy and Western Downs Solar designed, installed and commissioned a 60kW solar system incorporating two FIMER TRIO-27.6 string inverters for the college.

Since then, due to the college's continued growth, it has seen its energy consumption rise. In order to manage and lower their energy costs, the college reached back out to **GI Energy**, a large Australian solar retailer to discuss their options.

To remain under the STC (Small-scale Technology Certificates) 100kW threshold, an Australian Government scheme enabling homeowners and businesses to reduce the cost of purchasing and installing a solar system, GI Energy designed an additional 40kW system utilising FIMER's PVS-50/60-TL inverter.

Daniel McCabe, Project Management Director from GI Energy said, "We have been using FIMER inverters for 10-years now and have always had a good experience with them. For projects this size, the PVS-50 inverter is perfect and the systems we have installed using them are operating very efficiently."



The PVS-50/60-TL is FIMER's cloud-connected three-phase string inverter with three independent MPPT and power ratings of up to 60 kW.

The solution has been designed to maximise the ROI for system owners. It has all the advantages of a decentralised configuration for both rooftop and ground-mounted installations.

FIMER offers complete flexibility, allowing any of our three-phase inverter range from the 10kW to 120kW to be used together to develop the ideal system size for a customer's business requirements.

Daniel McCabe continued, "As we install and support homeowners and commercial businesses around Australia with their solar and energy storage systems, we partner with local installation companies who provide quality services and installations on our behalf."



GI Energy contracted the installation and commissioning to Western Downs Solar, a regional solar installer in Queensland, who completed the project in February 2021. Western Downs Solar also designed and made a custom enclosure for the PVS-50/60-TL to ensure it can operate safely and securely in the school's public area.



"Mick King, Owner of Western Downs Solar, said, "We pride ourselves on delivering quality service to our residential and commercial customers. Working with products like the PVS-50 ensures we provide our customers with a reliable, versatile and cost-effective solution."

Warren Merritt, FIMER Australia's Technical Sales Lead, praised the installation job saying, "It's great to come across installations of this nature. The quality of workmanship and attention to detail of both this recent addition and the original system is second to none. The level of complexity with different orientations and inclinations due to the roof designs plus building the custom PVS-50 inverter cage, ensuring it matched the building's style. Can't fault it."

Please note the original installation was completed when the product portfolio was under the remit of ABB.

Thinking about your next installation project?

With our huge portfolio of solar solutions, integrated digital services and reliable support network, you can count on us. To find out how FIMER can help you achieve even more with your installations, visit www.fimer.com to find your local sales rep.