

Off-grid solar victoria

When the time came to purchase a solar PV system for his Brunswick property in 2016, Terry and his partner knew they also wanted a battery system to store solar-generated electricity so they would use less electricity from the grid.

A solar battery system that was "off-the-grid" would need more panels, a bigger battery and a different battery type in order to store enough electricity for night time use and cloudy days.

An off-grid system sized for a daily household consumption of 10 kilowatt-hours per day could cost around \$55,000 installed, according to estimates from not-for-profit organisation Renew.

The 4kWh battery system cost \$9700, and was added to the 5kW solar PV system, installed around six months earlier. While an off-grid solar system would have given them the freedom of no more electricity charges, a well-planned hybrid set up would lower their bills, while guaranteeing an electricity supply in a cloudy week in winter.

Terry says he wanted a battery to maximise use of their own solar electricity and increase the household's grid independence. The battery was added around six months after they installed the solar PV system, and immediately had an effect on the way they use electricity.

"The shift to clean energy goes hand in hand with localisation. How can I localise and form community if I isolate myself from the grid? I would no longer be able to share my surplus solar with my neighbours with an off-grid system."

Terry's household intends to disconnect their gas supply and escape the associated gas connection charges altogether, as they plan to go off-gas for cooking, space heating and hot water.

As the upfront costs for battery systems connected to the grid are still high, potential solar households should work out whether their bill savings would be big enough to justify adding batteries to their system.

GES Energy supplies, designs and installs off-grid solar systems for clients in Victoria, including those who live in remote, isolated locations. We have in-house off-grid solar installers who are certified by the Clean Energy Council (CEC), ensuring that your system is installed correctly and safely.

We offer custom off-grid solutions for just about any application, from the dwelling of small batches or lots to standard houses and commercial properties. You can get more details in our custom packages section below.

An off-grid solution is an ideal option for you if your building isn't connected to an energy network.



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It's also possible if you're looking to disconnect from one. They're ideal for work sites and remote locations, especially if you're currently using diesel fuel to keep your business up and running. Some good reasons to install an off-grid solution are:

We offer a full range of off-grid power systems from smaller houses to commercial and agricultural applications. Our company has a variety of solutions, for your off-grid or remote energy needs. Our off-grid systems are flexible and provide the ability to scale the system size in the future.

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