

Solar Core 15 Off-Grid Solar System



Inverter/Peak Power

15kVA

Battery Power

28.8kWh

Max Solar

14kW

Solar Core Specs

Inverter: 48/15000 Victron Energy Multiplus II

Max Solar Up To 14kW On 450/200 Victron Energy SmartSolar

Monitoring: Ekrano Victron Energy

Battery Type: Pylontech US5000B

Number Of Batteries (Standard): 6

Maximum Number Of Batteries: 10

Cabinet Size: 2000h x 2000l x 585d

Cabinet Material & IP: Aluminum & IP55

Support: Full Support From My Off-Grid Energy & Complete Power Partners



**US5000B
x 6**



Live Monitoring

- Full system overview
- Historical data
- Remote support



Video Walkthrough



Your Local Specialist
Luke Snowden

When you work with My Off-Grid Energy, you have access to local advice, support, and know we aren't based across the other side of the country which is a critical consideration when your solar system is your main source of power.



0425 113 039

Email: admin@myoffgridenergy.com.au

Service Area: South Australia

Why These Brands? Off-Grid Solar System

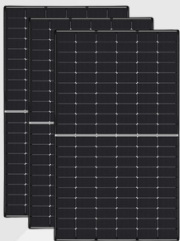


MY OFFGRID
ENERGY



Victron Energy:

Victron is based in the Netherlands and is a global leader in off-grid power. Having been in operation since 1975, Victron are market leaders in their control and monitoring solutions alongside rock solid hardware which comes with a standard, 5 year warranty, available for upgrade to a full 10 year warranty. Their transformer based inverters are heavy duty (both on the specs and when you pick them up!), allowing users to surge the inverter to over double it's rated continuous output.



Jinko 440W Tiger Neo Solar Panel

Backed with a 25 year product warranty, and 30 year linear power warranty, Jinko 440W Tiger Neo Solar Panels are one of the most popular panels in the Australian market. Featuring a low degradation rate of 0.4% over 30 years after the first year via N-Type manufacturing technology, and their Multi-Busbar Solar Cells, Jinko are a strong choice for Australian conditions.

Pylontech:

The first lithium battery manufacturer to receive TÜV Rheinland IEC6305, the highest certification of lithium battery safety (video below proves how rigorous the testing process is).

<https://www.energy-storage.news/tuv-rheinland-awards-energy-storage-systems-certifications-to-huawei-pylontech/>



Pylontech are differentiated by being a "Managed Battery", ensuring the batteries communicate efficiently with the Victron System. Fire safety is a major priority of Pylontech, even in their testing in which extreme heat and charge are applied to the battery there is no resulting fire only smoke from the unit, this correlates to their field installation of over 10Gwh per year with 0 fire hazards attributed to the battery cells.

Pylontech are one of the few brands with a direct integration with Victron Energy, which ensures the balance of system communicates seamlessly, further ensuring manufacturers aren't pointing fingers at each other if a system component is to fail due to software/firmware updates. Verified as one of the largest battery manufacturers worldwide (producing 10GWh per year), the US5000B is warranted for 10 years/1 cycle per day to 60% state of health, and is specified to provide 6000 cycles at 95% depth of discharge, which is the equivalent of 16.4 years.