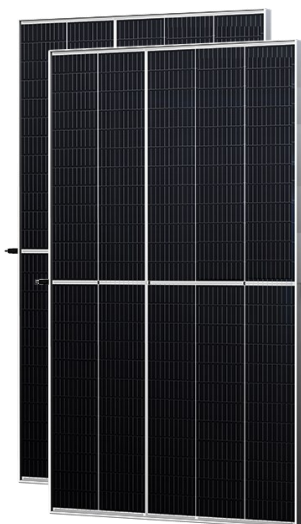
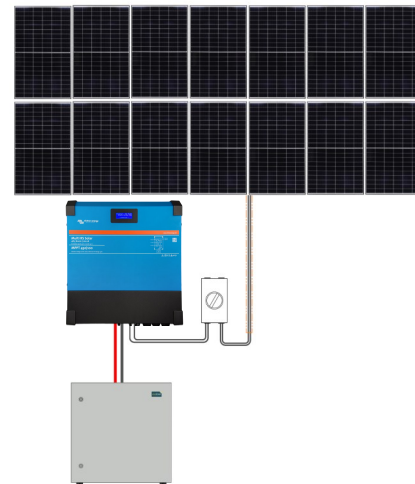


## Offgrid Kit Specification

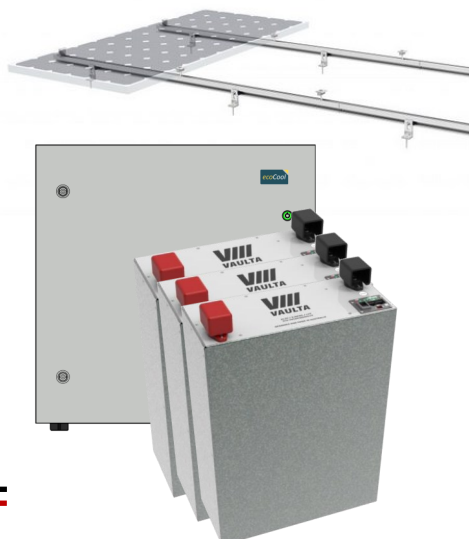
Item	Spec.	Details
Array Size:	<b>7.0 KW</b>	Trina Solar Panels (CEC <sup>^</sup> )
Solar Panels:	<b>14 x 500W</b>	Panel Qty x Panel Wattage
MPPT:	<b>450/100</b>	Victron Smartsolar MPPT
Inv/Charger:	<b>Multi RS 48/6000</b>	W Max MPPT O/put@48V.batt
Nom. Pwr W:	<b>5.3 KW nom</b>	9.0 KW Peak
Battery Bank:	<b>15KWh</b>	3 x 5KWh Vaulta Lithium Mod.
Controller:	<b>GX Device</b>	BT Dashboard, VRM with inet
String VOC.dc:	<b>361.9</b>	V dc String voltage
ELV/LV Array:	<b>LV *</b>	NOT Self-installable *



500W Modules x 14



Multi RS 48/6000 x 1



K34.150.03 + 3 x 5KWh



Isolator + Extras

### RACKING:

- Racking Brackets, earth clips & lugs

- Solar cable clips & s/s cable ties

### BALANCE OF SYSTEM:

- MPPT & Solar Cables with MC4's
- Solar Conduit with saddles
- Optional roof-penetration seal
- Label Kit & Install Instructions

Item	Specification
Solar Module Power Output:	500W
Solar Module Voltage VOC	51.7V dc
Solar Module Short Circuit A:	12.28
Solar Module Dimensions:	2176 x 1098 x 35mm
Rail Length:	4.6m
Solar Racking Roof Type:	Metal/Tin Roof
Array DC Isolator:	32A / 4 Pole Rotary
Solar Cable:	4mm <sup>2</sup> twin, Approved type
Solar Cable Connectors:	MC4
Solar Array Max Expansion:	7714W (1.33 x MPPT Max)
Strings/Panels:	2 x 6 (String x Panels/Str)

## Warranties & Terms

- Solar Module Warranty: 12 Yr Product, 25 Yr Performance or per Manuf. Warranty
- Victron Equipment: 5 years standard (Extendable)
- Clenergy Racking: 25 years; Other components: See Manuf. Warranty
- System wiring and details should comply with the following Australian standards:
  - > Optional roof-penetration seal
  - > AS3000 Electrical Installations OR AS3001 Electrical Installations, Transportable
  - > AS4509 Stand-alone power systems & AS5139 Battery Installations
  - > AS5033 Installation of Photovoltaic Arrays
  - > Any other applicable standards, statutory rules or guides
- System wiring should be checked and/or installed by a qualified person, ELV wiring should be completed by a competent person. LV Electrical work, including solar arrays above 120Vdc is NOT DIY, and should be completed by a qualified electrician. Check laws in your state. Comply with safe work rules in your area, eg working at heights.
- For installations which are not compliant, ecoCool disclaims responsibility for any loss or damage, where those rules are not complied with in full and directly.

\*Information accurate at time of publication, subject to change.

ecoCool Pty Ltd  
4/30 Fremantle St,  
Burleigh Heads Qld 4223

p +61 7 5525 5964  
e info @ ecocool.com.au  
www.ecocool.com.au

