



Single phase Compact system in marine grade aluminium with stainless steel hinges and locks



The Avantess Compact

The Compact is REA's small flexible, modular based energy storage system that can grow as your energy needs change. It uses cloud technology, so you can get all the information you want from wherever you are, in an easy to read and understand format. The system includes innovative technology from dynamic Dutch company Victron, who have supplied quality energy products to the world for over 40 years. Best of all, the Compact includes Australian made Tardis batteries, specifically designed for safe energy storage and use in the tough Australian environment. This is the only battery we know that loves the Australian sun.

Benefits

1. **Uninterrupted power:** Few system constraints to limit energy capacity use.
2. **Compact:** Uses equipment including batteries that are safe, reliable, light weight and compact.
3. **Light weight cabinet:** Easy to carry and install without lifting equipment.
4. **Flexible options:** Has room for a wide variety of inverters from 0.25kVA through to 3kVA.
5. **Use anywhere:** True outdoor system without the need for artificial cooling.
6. **Australian Made:** Cabinet & battery designed and made in Australia for harsh Australian conditions.
7. **Free online monitoring:** monitor your system performance via your computer, phone or tablet.
8. **Colour options:** You can choose from a range of powder coated cabinet colours.
9. **Robust long-life cabinet:** Can retain its attractive appearance even when located outside *.
10. **Pole or wall mount:** System is easy to install using a "plug and play" approach.
11. **Low maintenance system:** Has proactive problem-solving on-line monitoring capacity.
12. **Range of cabinet types:** Choose cabinet type to suit your environment**.
13. **Portable:** Cabinets can go wherever you go.
14. **Batteries fast charge and discharge capable:** 100% of capacity can be available quickly.
15. **Great warranty** on batteries of 10 years or 3,000 cycles at 80% Depth of Discharge (DoD) @ 1C whichever comes first. All Victron equipment has a 5-year warranty.
16. **Great in Australian Environment:** Operating conditions -20°C to +60°C.
17. **Modular:** You can add energy storage capacity to a total system capacity of 7.2kWh when required.
18. **High Safety:** Batteries are made from stainless steel, cylindrical cells using lithium iron phosphate (LFP) chemistry. This means the batteries are made for safe energy storage***.
19. **Long life components:** High quality, designed for marine use and other rugged, long life applications.
20. **DC coupled system:** This means the power is stored in the batteries then available to support either AC load consumption (e.g. homes) or DC load consumption (e.g. DC pumps, caravans)

* Long term appearance will depend on material chosen and placement of cabinet

**Choose from Zinc/Steel (Indoors), or Marine Grade Aluminium (Outdoors)

***The cylindrical cell LFP technology used in the Tardis battery has many advantages over most other batteries on the market. It is designed to provide safe energy storage. We avoid more unstable chemistries that could cause fire or explosion. Nor do we use satchel technology with its thermal limitations.



Cabinet which can also be supplied with an expansion cabinet behind the pole for a further 2-4 batteries OR bottom expansion cabinet for a further 2 batteries.



Electrical	Nominal DC Voltage	24Volts - 48Volts DC
	Tardis Battery String capacity	3.6 kW hrs
	Max number of strings	6 @ 24V and 3 @ 48V
	Total Capacity (Useable)	10.6 kWh approx with expansion modules
	Internal fuse rating per battery string	100A DC
	Single Phase output capacity	0.25kVA -3kVA
	Transfer Switch	N/A
	Phase compensation	N/A
	Charge current	1 PH 35A
	Backup module	Yes
	True UPS	N/A
	Charging in backup mode	Yes
	Manual Transfer Switch	N/A
Enclosure	Height (With plinth)	800 mm
	Depth	321mm
	Width	500 mm
	Weight (Assembled weight)	60KG single cabinet -80 KG expanded
	Weather	IP 55
	Mounting	Pole or Wall
	Expansion for extra energy storage	300x500x321mm or duplicate cabinet
Solar	DC Solar MPPT Charging compatible	Yes / Optional
	AC Solar Charging compatible	No
	Max DC Charging	70 Amps per string
	Max AC Charging Input Side	N/A
	Max AC Charging Output Side	35 Amp / 3kVA
	Zero Export Control	N/A
Conductivity	Online portal	Yes / Victron Remote Monitor
	Connection	Yes LAN / Wi-Fi optional
	Operational mode	Victron ESS
	Solar Production monitoring	Yes
	Consumption monitoring	Yes
	Remote programming capability	Yes
	Fault Status Alarm	Yes / Email

Applications:

This compact portable power system can go anywhere and be used in any environment. Therefore, it is useful for such applications as:

Security/remote monitoring systems	Caravans	Work sites
Water and sewerage pumps	Holiday cabins	Marine application