

BUILT TO LAST



Designed for repair, re-use and re-deployment.

One architecture. Residential cabinets. Commercial racks.

Data centres. Sodium-ion ready. Second-life certified.

Full battery passport - every cycle, every cell.

TRADE PARTNER GUIDE



VERDEX

⚠ WARNING

1. Read and understand instruction manual.
2. Do not touch terminals or internal components.
3. Do not short terminals or use metal objects to touch terminals.
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DO NOT REMOVE OR OBSCURE THIS LABEL

One Module. Every Market.

The Vaulta 5.22 kWh LFP module is a platform, not a product. The same cell architecture scales from a 3-module home cabinet to a multi-rack commercial installation to AI data centre density — and is chemistry-interchangeable with sodium-ion.

Residential

3–5 modules

Custom cabinet. 15–26 kWh.
Wall-mount or floor-standing.
Clean install for premium homes.

Commercial Rack

6–20 modules

Standard 19" rack or cabinet.
30–200 kWh. Scalable per bay.

IT / Data Centre

Server-rack density

Same IT rack ears as UPS
batteries. Slots straight into
existing server room
infrastructure.

Sodium-Ion Ready

Drop-in swap

Architecture is chemistry-
agnostic. Swap to sodium cells as
the market matures — no new
BMS, no new cabinet.

VAULTA 5.22 kWh | 48V RACK MOUNT LFP

The module.

Australian Made available. Same architecture, sovereign provenance.

Usable Capacity	5.22 kWh — 100% usable, no derating
Voltage	48V nominal (51.2V) / 16S1P LFP
Charge / Discharge	50A recommended / 100A max continuous
Communications	CANBUS / RS485 / RS232
Mounting	19" rack or vertical — IT rack ears removable
Cable Compatible	35mm ² / 50mm ² / 70mm ² — bus bar or direct parallel
Cycle Life	5,000 cycles @ 0.5C, 80% DoD
Calendar Life	10 years @ 25°C
Weight	< 50 kg
Dimensions	441 × 102 × 472 mm (510 mm incl. handles) 482 mm racked
Certifications	IEC62619 / UN38.3 / IEC62040 / UL1974 (2nd life) - AU Made available

↓ Request full data sheet: info@vaulta.com.au

NOT ANOTHER RACKMOUNT BATTERY.

Vaulta is an architecture built for the full product lifecycle - repair, re-use, re-deployment, and end-of-life certification.



Built for Re-Use



No sealed ~~black box~~. Every component is field-serviceable to cell level. Equally-aged cells for matched replacements. Disassembly guide ships inside every unit.

Designed for Repair



UL1974 ~~certified~~ for second-life battery applications. Accept cells from decommissioned EV packs or prior installs. The architecture is ready for the circular economy.

Fire Suppression and Safety



Pack-level ~~suppression~~ integrated with BMS voltage cables - targeting where battery fires actually start. Shunt trip switch that can be triggered by BMS provides added fire prevention.

No Soft Plastics



Zero ~~unnecessary~~ plastics. Cardboard-only packaging. Disassembly guide inside every unit. Full product life cycle analysis available on request.

Chemistry Interchangeable



Same cabinet, ~~same~~ BMS, same comms. Swap to sodium-ion cells as the market matures. No lock-in to a chemistry that's still evolving.

Australian Made Available



Same product, ~~same~~ specs. Choose sovereign provenance or a competitive imported price point. White label available.



Built for Safety

Engineered protection at every level



Built for Sustainability

Circular by design. Responsible by choice



Built for Performance

Reliable power. Smarter operations.



Built for Australia

Local support. Local innovation.

Battery intelligence, in plain view.

Every Vaulta battery ships with PlainView. First year free.

A battery you can't see is a liability you can't manage.

Cell-Level Monitoring

Live and historical per-cell data — not just pack averages. See exactly which cell is degrading.

Battery Passport

Cell provenance, manufacture date,
cycle count, temperature and C-rate
history travels with the battery for life.

Cycle & Condition History

Know exactly how many cycles, at what temperature, at what C-rate — so you know the real condition of any cell.

Event Log & Serial Tracking

Every fault, every alert, every BMS event. Serial-level traceability across the fleet.

Scope 1, 2 & 3 Reporting

Calculate Scope 1 operational, Scope 2 grid, and Scope 3 manufacturing and end-of-life emissions per installation.

AI Anomaly Chatbot

Ask questions, get diagnostic insights from live installation data. Remote triage before a truck rolls.



PLAINVIEW

You're not part of the race to the bottom.

You're local. You're qualified. You stand behind your work.
Why spec a battery that doesn't match that standard?

Vaulta is the battery that matches how you work.

WHAT VAULTA GIVES YOUR CUSTOMER

● A Battery With a Lifecycle Story

Battery passport, event log, and cell-level history travels with the product for its entire life. Provenance and condition on demand.

● Repairability, Not Replacement

No sealed black box. Cell-level repair for the life of the pack. Second-life eligible. No landfill obligation.

● Fire Safety Above the Standard

Built-in pack-level suppression where thermal runaway actually starts. Shunt trip switch adds additional layer of fire prevention.

● Scope 1, 2 & 3 Transparency

Full carbon reporting from manufacturing to end-of-life. Backed by product LCA and the battery passport.

● PlainView Intelligence

Your customer sees their battery working. You diagnose remotely. No guesswork, no callbacks.

PROVEN IN THE FIELD

CYCLONE ALFRED

Moreton Island Microgrid

Installed shortly before Cyclone Alfred made landfall. Operated without interruption throughout the event. Project expanded with additional capacity in 2026.



"Vaulta's team didn't just deliver a product, they backed it up with the support needed to ensure reliable performance from day one."

— Mark Quinlan, QPower Solutions

OFF-GRID NSW

Cudgen Micro-Grid

Full off-grid system in northern NSW. Customer chose Vaulta for Australian Made provenance and sustainability credentials. Upgraded a further 43 kWh in 2026.



"The batteries are extremely robust and have excellent performance. I would highly recommend them for any project."

— Adrian, Coastal Green Electrical

PERMACULTURE

Zaytuna Farm, Lismore

Battery bank for a permaculture farm with fluctuating energy needs. Multiple solar arrays and backup generator integration in northern NSW.



"One of the biggest reasons we use Vaulta is because the battery is repairable."

— Mike, The Off Grid Shop