



48V 100Ah 5.12kWh 19in Sodium pack

Vaulta sodium-ion batteries deliver a groundbreaking energy solution, surpassing traditional lithium options. Ideal for telecom and on/off-grid applications, these innovative batteries are produced in Australia and prioritize environmental sustainability. Embrace the future with our cutting-edge technology—available for purchase or white labeling.

Safe

- No lithium
- BMS protection
- Voltage and thermal monitoring
- Thermal protection and cut-offs

Reliable

- 10 year calendar life
- Higher C-rate capabilities
- Multiple charge/discharge profiles
- Sodium— safer than lithium
- Repairable in the field

Circular

- Zero cobalt
- Vaulta Inside TM
- Remote monitoring through IoT

Vaulta Inside means it's using Vaulta proprietary technology, which means it's designed for:

- Local assembly
- Repair
- Re-use
- Easy recycling



Specifications

Nominal voltage (Vdc)		48
Nominal capacity (kWh)		5.12
Usable capacity (kWh)		5.12
Dimensions (mm)		267mm (6U) x 482 (19in rack) x 785
Weight (Kg)		<72
Charge / Discharge Current (A)	Recommended	100A/100A (1C)
	Max continuous	200A/200A (2C) 10s
Communication port		RJ45 - CANBUS
String		16
BMS balancing		Passive (660mA)
Working temperature (C°) - charge		-10 to 50
Working temperature (C°) - discharge		-45 to 65
Shelf temperature (C°)		25 recommended
Calendar life		10 years @ 25 (C°)
Cycle life		8000 cycles 0.5C/0.5C @ 25 (C°) 80% DOD
Planned certifications		When available