



48V 5.12kWh LFP pack

Vaulta Select batteries provide a safe and reliable energy source suitable for diverse applications, including telecom and on/off-grid systems. These batteries are chosen for their performance and capability to meet specific application requirements. Additionally, Vaulta tracks these batteries for end-of-life management purposes using custom Vaulta software.

Smart

- Works with any LV inverter
- Remote trouble shoot
- BMS sets parameters

Safe

- Fully certified
- Multiple short circuit protection
- Cell level monitoring
- Thermal protection and cut-offs

Reliable

- 10 year calendar life
- Multiple charge/discharge profiles
- Lithium Iron Phosphate – safer than NMC

Circular

- Monitored by Vaulta IoT
- Vaulta Select products are manufactured off-shore but supported locally by Vaulta for end-of-life management

Specifications

Nominal voltage (Vdc)	48 (51.2)
Nominal capacity (kWh)	5.12
Usable capacity (kWh)	4.86
Dimensions (mm)	133 x 482 x 580
Weight (Kg)	45 +/-1
Charge / Discharge Current (A)	20A/20A (0.2C)
Max continuous	100A/100A (1C/1C) (1.5C pulse)
Communication port	CAN/RS485/RS232
IP rating	IP20
Battery configuration	16S1P
Weight	45kg
Working temperature (°C) - charge	0 to 60
Working temperature (°C) - discharge	-20 to 45
Shelf temperature (°C)	25°C
Calendar life	10 years @ 25°C
Cycle life	>2000 cycles @ 25°C, 100% DOD, 70% EOL >6000 cycles @ 25°C, 80% DOD, 70% EOL
Certifications	ASIEC62619/ UN38.3 / IEC62040 / CEC



STORAGE OPTION 1

Installer can choose to install Vaulta Select batteries in any 19in rack cabinet.

Vaulta Select cabinets takes 1 to 4 or 1 to 8 of the Vaulta Select batteries. It is rated for outdoor use, and comes with the required cables for connection, a bus bar at the top of the unit, circuit switches and various cable glands. An installer needs to only insert and fasten the battery modules, connect the cables, and wire from the glands to the inverter. Fixing to the ground plane, rear wall, installing bollards etc are all required within typical Australian installation standards.

Safe

- Certified
- Pre-wired
- All breakers included

Simple

- Fast install
- Scalable from 5-20kWh

Reliable

- Outdoor rated
- Cable glands and connectors
- In-built bus-bar

785mm wide x 395mm
deep x 1415mm high





STORAGE OPTION 2

Installer can choose to install Vaulta Select batteries in any 19in rack cabinet.

Vaulta Select cabinets takes 1 to 4 or 1 to 8 of the Vaulta Select batteries. It is rated for outdoor use, and comes with the required cables for connection, a bus bar at the top of the unit, circuit switches and various cable glands. An installer needs to only insert and fasten the battery modules, connect the cables, and wire from the glands to the inverter. Fixing to the ground plane, rear wall, installing bollards etc are all required within typical Australian installation standards.

Safe

- Certified
- Pre-wired
- All breakers included

Simple

- Fast install
- Scalable from 5-40kWh

Reliable

- Outdoor rated
- Cable glands and connectors
- In-built bus-bar
- Temperature controlled

622mm wide x 843mm
deep x 1800mm high

**Outdoor rated cabinet
+
Up to 40.96kWh**



622mm wide x 843mm deep x 1800mm high