



## 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
- Australian Made with selected imported batteries (APS500)

### 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

