



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.

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
- High energy density at packaged level (119Wh/kg)
- 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)	130.5mm x 482 x 525 (565 inc. handles out)
Weight (Kg)	<45
Charge / Discharge Current (A)	50A/50A (0.5C)
Max continuous	95A/100A (0.95C/1C)
Communication port	CANBUS (RJ45) / RS485
Max number of batteries in parallel	15
Battery configuration	16S1P
Weight	43kg
Working temperature (°C) - charge	4 to 55
Working temperature (°C) - discharge	-20 to 55
Shelf temperature (°C)	25°C
Calendar life	10 years @ 25°C
Cycle life	3000 cycles @ 35°C, 80% DOD, 0.5C/0.5C (compression) 2500 cycles @ 45°C, 80% DOD, 0.5C/0.5C (compression)
Certifications	ASIEC62619/ UN38.3 / UL9450A



MECHANICALS

