



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)		133 x 482 x 581
Weight (Kg)		<45
Charge / Discharge Current (A)		50A/50A (0.5C)
Max continuous		100A/100A (1C/1C)
Communication port		CANBUS (RJ45) / RS485
Max number of batteries in parallel		15
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		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 / IEC62040 / CEC