VCLB-5K/16K-E01

Low-Voltage Lithium Battery



Product Highlights

Flexible Expansion

Up to 15 units in parallel,
respond flexibly to demand

Easy Installation

Wall-mounted or floor-standing installation,
aesthetically pleasing

Performance

Maximum charge/discharge current
100A, rapid recharging

Convenient Control

Built-in 4.3-inch capacitive touchscreen
displaying all battery status information

Safety

Built-in aerosol fire suppression system;
IP20 ingress protection

Long-term Reliability

LFP battery,6000+ charge/discharge cycles,
SOH no less than 80%;5-year warranty,
10-year warranty optional

Model	VCLB-5K-E01	VCLB-16K-E01
General Specification		
Nominal voltage(Vdc)	51.2	
Nominal capacity(Ah)	100	314
Battery energy(Wh)	5120	16076
Charge voltage	57.6	
Discharge voltage(V)	44.8	
Recommended charge/discharge current（A）	70A(0.7C)	157A(0.5C)
Maximum charge/discharge current（A）	70A(0.7C)	220A(0.7C)
Peak charge/discharge current(A)	100A(1C)	314A(1C)
Nominal charge/discharge power(W)	5120	16076
DOD	95%	95%
Communication		
Display	SOC status indicator, LED indicator	
Communication	RS485, CAN	
General Specification		
Dimension[W/D/H](mm)	380x190x610	460×240×820
Battery net weight(Approx.)(kg)	44.5	122.25
Installation	Floor-standing or wall-mounted	
Charging temp. range(℃)	0~55	
Discharge temp. range(℃)	-20~55	
Operating/storage humidity	≤95%RH	
Max. operating altitude	≤3000m	
IP rating	IP20	
Wi-Fi module	Built-in Wi-Fi module, APP	
Cell technology	LiFePO4 (Lithium Iron Phosphate)	
Cooling method	Forced air cooling	
Fire protection system	/	Aerosol Fire Extinguishing
Cycle life	6000 Cycles @ 80% DOD/25℃/0.5C, 60%EOL	
Scalability	Max. 15 batteries in parallel	
Usage environment	Indoor	
Standard Compliance		
Certification	CE , MSDS , UN 38.3	