VCLB-5K/10K-W01

Low-Voltage Lithium Battery



Product Highlights

Flexible Expansion

Up to 20 units in parallel,
5.12kWh--204.8kWh capacity

Certificates

UN38.3, MSDS, CE, EMC

Long-term Reliability

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

Easy Installation

Wall-mounted or floor-standing installation,
aesthetically pleasing and space-saving

Convenient Control

Touchscreen displaying all battery information;
quick switching communication protocols

Safety

Built-in aerosol fire suppression system;
IP65 ingress protection

Model	VCLB-5K-W01	VCLB-10K-W01
General Specification		
Nominal voltage(Vdc)	51.2	
Rated capacity(Ah)	100	200
Energy(Wh)	5120	10240
Battery impedance(mΩ)	≤50	
Charging cut-off voltage(V)	56.16	
Discharge cut-off voltage(V)	44.8	
Recommend charge current	0.5C 50A	0.5C 100A
Scalable	Up to 15 units	
Max charge current(A)	100	200
Max continue discharge current	100A,-20℃~60℃,≤65+20%RH	200A,-20℃~60℃,≤65+20%RH
Operating temperature range(℃)	-20~60	
Storage environment(50%state of harge)	20℃~45℃in three months;25±3℃overthree months; Humidity: ≤65±20%RH	
Environment	Outdoor/Indoor	
Installation	Wall mounted/Floor stand	
Cell technology	Lithium-iron phosphate(LiFeP04)	
Life cycle	6000 times @80%DOD	
Cooling	Natural convection	
Protection rating	IP65	
Certificates	IEC62619, UN38.3, MSDS, CE	
Dimension and Weight		
Dimension[W/D/H(mm)]	520×470×141.5	800×590×142
Battery net weight(Approx.)(kg)	47.2	96.5
Compatibility list	VEICHI, Deye, Growatt, Goodwe, Solis ,ect.	