

# VCLB-5K-D01

## Capacity

51.2V 100Ah Single module

## Features

- **Unique Design**

Rack mount

- **Flexible Capacity**

Max.15pcs in Parallel to extend capacity

- **Safe &Reliable**

Lithium Iron Phosphate (LFP) Cell

- **LED Display**

SOC, Battery Status

- **Easy Installation**

Quick plug in +/- and parallel connection

- **Certificates**

CB , UN38.3, MSDS, CE EMC UL1973,UL9540A

**VCLB-5K-D01**  
Rechargeable Lithium Ion Battery



## Technical Specifications

Model	VCLB-5K-D01
Communication Instruction	
Nominal Voltage	51.2V
Rated Capacity	100Ah
Energy	5120Wh
Battery Impedance	≤50mΩ
Charging Cut-off Voltage	56.16V
Discharge Cut-off Voltage	45.6 V
Recommend Charge Current	0.5C 50A
Max Charge Current	0°C ~ 15°C: 20A; 15°C ~ 45°C: 50A
Max Continue Discharge Current	100A, -20°C~60°C ; 65±20%RH
Operating Temperature Range	-20~60°C
Storage Environment (50% state of charge)	20°C ~ 45°C in three months; 25±3°C over three months; Humidity:65±20%RH
Environment	Indoor
Installation	Rack Mount
Cell Technology	Lithium-iron phosphate (LiFePO4)
Life Cycle	6000 times @80%DOD
Cooling	Natural cooling
Protection Rating	IP20
Certificates	CB, IEC62619, UL1973, UL9540A, UKCA, CE-EMC,CE-GPSD,UN38.3, MSDS
Dimension and Weight	
Dimension	550*440*130mm(3U)
Battery Net Weight (Approx.)	47.2kg