VCLB-5K-W01

Capacity

51.2V 100Ah Single module

Features

- **Unique Design**
  New wall mount design
- **LED Display**
  SOC, Battery Status
- **Flexible Capacity**
  Max.15pcs in Parallel to extend capacity
- **Easy Installation**
  Quick plug in +/- and parallel connection
- **Safe &Reliable**
  Lithium Iron Phosphate (LFP) Cell
- **Certificates**
  CB , UN38.3, MSDS, CE EMC UL1973,UL9540A

VCLB-5K-W01
Rechargeable Lithium Ion Battery

Technical Specifications

Model	VCLB-5K-W01
General Specification	
Nominal Voltage	51.2V
Rated Capacity	100Ah
Energy	5120Wh
Battery Impedance	≤ 50 mΩ
Charging Cut-off Voltage	56.16 V
Discharge Cut-off Voltage	45.6 V
Recommend Charge Current	0.5C 50A
Max Charge Current	0℃ ~ 15℃: 20A; 15℃ ~ 45℃: 50A;
Max Continue Discharge Current	100 A, -20℃~60℃ ; 65±20%RH
Operating Temperature Range	-20~60℃
Storage Environment (50% state of charge)	20℃ ~ 45℃ in three months; 25±3℃ over three months; Humidity:65±20%RH
Environment	Indoor
Installation	Wall mounted/Floor stand
Cell Technology	Lithium-iron phosphate (LiFePO4)
Life Cycle	6000 times @80%DOD
Cooling	Natural convection
Protection Rating	IP65
Certificates	CB,IEC62619, UN38.3, MSDS CE-EMC, EN61000-6-1/2/3/4;CE-GPSD,EN62619
Dimension and Weight	
Dimension	520*470*141.5mm
Battery Net Weight (Approx.)	47.2KG
Communication Instruction	
RS232	Only for debugging, BMS can communicate with the host computer through the RS232 interface, so that various information of the battery can be monitored through the host computer, including battery voltage, current, temperature, status and battery production information, etc. The default baud rate is 9600bps.
CAN	For monitoring battery status, with isolated CAN communication, the default communication rate is 500K
RS485	RS485 is used in parallel, with dual RS485 interfaces, can view the PACK information, the default baud rate is 9600bps

VCLB-10K-W01

Capacity

51.2V 200Ah Single module

Features

- **Unique Design**
  New wall mount design
- **LED Display**
  SOC, Battery Status
- **Flexible Capacity**
  Max.15pcs in Parallel to extend capacity
- **Easy Installation**
  Quick plug in +/- and parallel connection
- **Safe &Reliable**
  Lithium Iron Phosphate (LFP) Cell
- **Certificates**
  CB , UN38.3, MSDS, CE EMC UL1973,UL9540A

VCLB-10K-W01
Rechargeable Lithium Ion Battery

Technical Specifications

Model	VCLB-10K-W01
General Specification	
Nominal Voltage	51.2V
Rated Capacity	200Ah
Energy	10240Wh
Battery Impedance	≤ 50 mΩ
Charging Cut-off Voltage	56.16 V
Discharge Cut-off Voltage	45.6 V
Recommend Charge Current	0.5C 100A
Max Charge Current	0℃ ~ 15℃: 40A; 15℃ ~ 45℃: 100A
Max Continue Discharge Current	200 A, -20℃~60℃ ; 65±20%RH
Operating Temperature Range	-20~60℃
Storage Environment (50% state of charge)	20℃ ~ 45℃ in three months; 25±3℃ over three months; Humidity:65±20%RH
Environment	Indoor
Installation	Wall mounted/Floor stand
Cell Technology	Lithium-iron phosphate (LiFePO4)
Life Cycle	6000 times @80%DOD
Cooling	Natural convection
Protection Rating	IP65
Certificates	CB , UN38.3, MSDS, CE EMC UL1973,UL9540A
Dimension and Weight	
Dimension	800*590*142mm
Battery Net Weight (Approx.)	96.5kg
Communication Instruction	
RS232	Only for debugging, BMS can communicate with the host computer through the RS232 interface, so that various information of the battery can be monitored through the host computer, including battery voltage, current, temperature, status and battery production information, etc. The default baud rate is 9600bps.
CAN	For monitoring battery status, with isolated CAN communication, the default communication rate is 500K
RS485	RS485 is used in parallel, with dual RS485 interfaces, can view the PACK information, the default baud rate is 9600bps