

LiFePO-BBU - 48V 50Ah

Model Number: VL SLIBP48

Features:

- ▶ Long service-life
- ▶ Safe to use
- ▶ Fast Charging
- ▶ High Rate Discharge
- ▶ Excellent High Temperature Properties

Applications

- ▶ Telecommunication



Basic parameters

Nominal voltage	48V
Capacity	50Ah
Output energy	2400W

Electrical Characteristics

Nominal Voltage	16 cells: 43.2 ~ 56.8V
Charge voltage	16 cells: 57.6V
Float voltage	16 cells: 54.4V (16x3.4V)
Charge Mode	Constant voltage (standard mode)

Mechanical Specification

Dimensions (D x W x H)	400mm x 480mm x 135mm
Weight	35kg

Operating Condition

Product life cycle	10 years (@ 25°C)
Charge and discharge times	>1500 [at 0.2C discharge rate, the discharge depth of 100%, temperature <20°C, each may emit at least 80% of capacity]
Operating Temperature	Standard Operating: 0 ~ 60°C, Charging temperature: 0 ~ 45°C
Operating Humidity	≤95% (non-condensing)
Transportation specification	UN3090
Temperature and duration	After a full charge for 12 moth @ 25°C
Installation	19"Rack (can be customized accroding to the customer's needs)

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Battery Management System Specification (factory preset value)

The total value of the voltage protection	16 cells: 57.6V
Single-cell voltage protection value	3.70V
Single-cell voltage protection value restoration work	3.45V
Battery charging current	Max 25A
Battery discharge current	0 ~ 50A
Total battery discharge voltage and low-voltage protection value	43.2V
Battery cell discharge voltage and low-voltage protection value	2.5V
Charging high temperature protection value	50°C
Charging low temperature protection value	0°C
Discharging high temperature protection value	70°C
Discharging low temperature protection value	-10°C
Charge balance detection voltage	3.4V
Equalizing currents	300mA

Dimensions

in mm

