

# 3U Rack Mounted LiFePO4 Battery



EU version

51.2V 100Ah 5kWh



## LV-BAT-R5.12Aa



### 3U Design

Applicable for cabinet telecom and solar energy storage system



### 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 RS485 parallel connection



### Certificates

CB 62619:2017, UN38.3, MSDS  
CE EMC EN61000-6-2/4

## Technical Specification



### General Specification

Model	LV-BAT-R5.12Aa
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	0.2 C 20 A
Max. Charge Current	0°C ~ 15°C: 20A; 15°C ~ 45°C: 50A;
Max Continue Discharge Current	125 A, -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	CE-EMC EN61000-6-2; EN 61000-6-4; CB IEC 62619:2017, CE-GPSD EN62619, UN38.3, MSDS

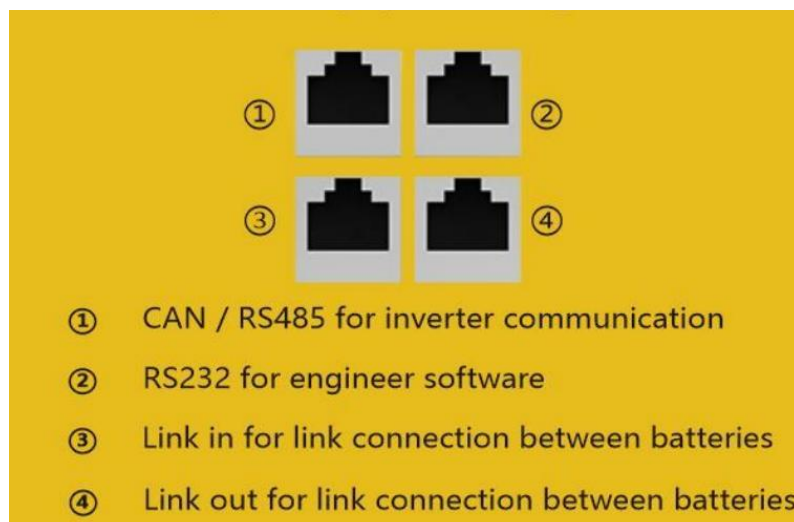
### Dimension and Weight

Dimension	550*440*130mm(3U)
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.
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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.



Applicable to EU countries or need certificated standard market as below:

CE-EMC EN61000-6-2; EN 61000-6-4;

CB IEC 62619:2017

CE-GPSP EN62619

Product Version: Aa12