

3U Rack Mounted LiFePO4 Battery



US version

51.2V 100Ah 5kWh



LV-BAT-R5.12Ab



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

ETL UL1973, ETL UL9540A

Technical Specification



General Specification

| | |
|--|--|
| Model | LV-BAT-R5.12Ab |
| 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 | 3500 times @80%DOD |
| Cooling | Natural cooling |
| Protection Rating | IP20 |
| Certificates | ETL UL1973, ETL UL9540A |

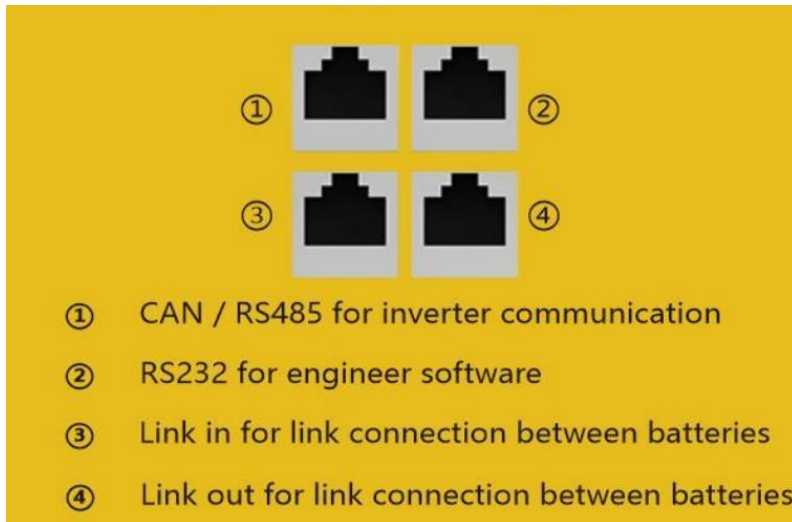
Dimension and Weight

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|------------------------------|-------------------|
| Dimension | 550*440*130mm(3U) |
| Battery Net Weight (Approx.) | 47.2KG |

Communication Instruction

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|-------|---|
| 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 USA and other market that need UL certificate, standard: ETL UL1973, ETL UL9540A

Product Version: Ab22