

Wall Mounted LiFePO4 Battery

51.2V 100Ah 5kWh

51.2V 200Ah 10kWh

LV-BAT-W5.12Aa

LV-BAT-W10.24Aa



Unique Design

New wall mount design



Flexible Capacity

Max.15pcs in Parallel to extend capacity



Safe & Reliable

Lithium Iron Phosphate (LFP) Cell



LED Display

SOC, Battery Status



Easy Installation

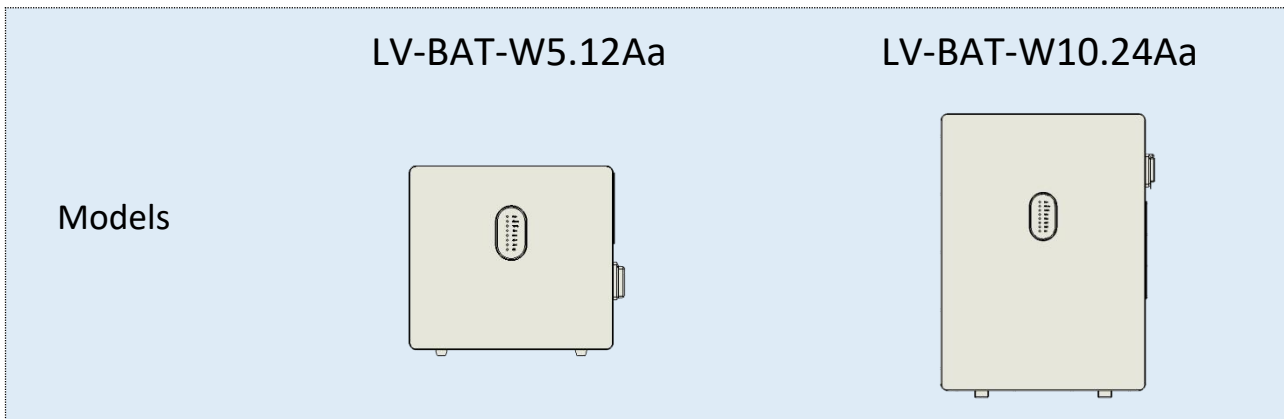
Quick plug in +/- and parallel connection



Certificates

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

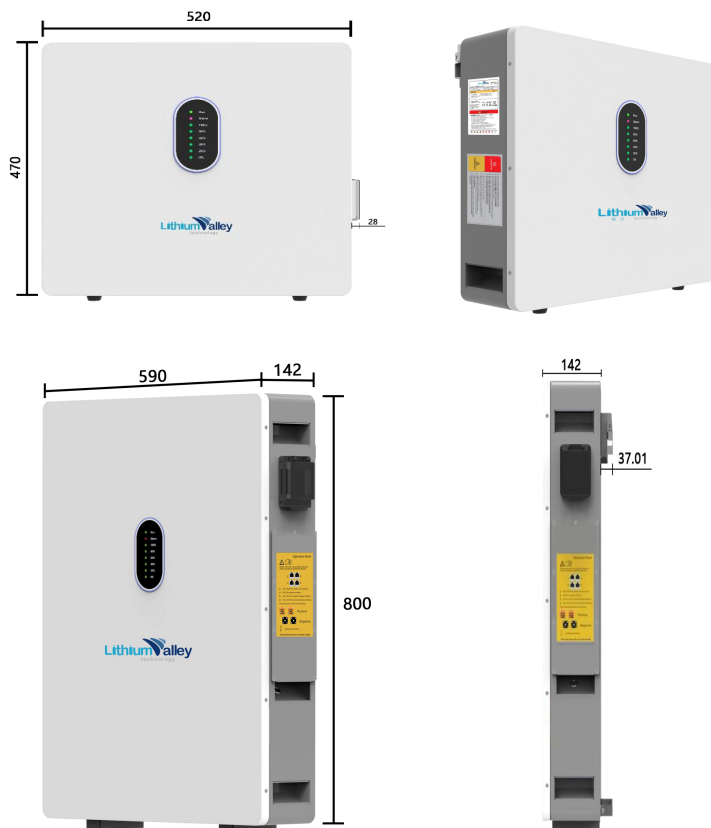
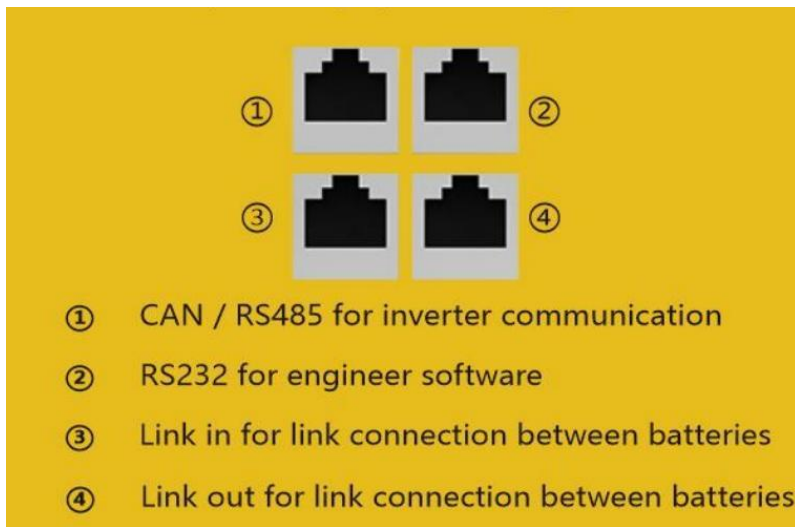
Technical Specification



| General Specification | | |
|--|--|--|
| Model | LV-BAT-W5.12Aa | LV-BAT-W10.24Aa |
| Nominal Voltage | 51.2V | 51.2V |
| Rated Capacity | 100Ah | 200Ah |
| Energy | 5120Wh | 10240Wh |
| Battery Impedance | $\leq 50 \text{ m}\Omega$ | |
| Charging Cut-off Voltage | 56.16 V | |
| Discharge Cut-off Voltage | 45.6 V | |
| Recommend Charge Current | 0.2 C 20 A | 0.2C 40A |
| Max Charge Current | 0°C ~ 15°C: 20A; 15°C ~ 45°C: 50A; | 0°C ~ 15°C: 40A; 15°C ~ 45°C: 100A; |
| Max Continue Discharge Current | 100 A, -20°C~60°C ; 65±20%RH | 200 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 | Wall mount | |
| Cell Technology | Lithium-iron phosphate (LiFePO4) | |
| Life Cycle | 3500@100%DOD/4000@90%DOD,25 °C /0.5C | |
| Cooling | Natural convection | |
| Protection Rating | IP54 | |
| Certificates | CB IEC 62619:2017, CE EMC EN 61000-6-2/4,CE-GPDS EN62619, UN38.3, MSDS | |

| Dimension and Weight | | |
|------------------------------|-----------------|---------------|
| Dimension | 520*470*141.5mm | 800*590*142mm |
| Battery Net Weight (Approx.) | 47.2KG | 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. |





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

CE-EMC EN61000-6-2/4;

CB IEC 62619:2017,

CE-GPSD EN62619.

Product Version: Aa12