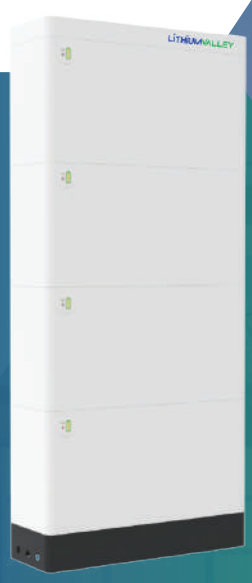
LITHIUMVALLEY





# Home Energy Storage Battery Series

**LV-BST-L5.12Aa** | **51.2V 100Ah 5.12kWh**

Version: V1.0







LV-BST-L5.12Aa is a stacked energy storage battery. Simple and quick assembly allows for flexible customization of battery banks to meet diverse energy storage needs. Equipped with an intelligent BMS, it continuously monitors and optimizes battery performance to extend service life, and supports remote management via a mobile app so you can stay informed of household energy status at all times. Comprehensive protections against over-charge, over-discharge, short circuit, and extreme temperatures ensure safe operation in all scenarios—making it a reliable choice for residential energy security.

## FEATURES

### Multi-Scenario

- tackable product, and the battery also has a mobile energy storage function
- IP65 protection level, suitable for various weather conditions

### Longer Life and Safer

- A+ grade lithium iron phosphate
- Built-in hot aerosol fire extinguishing device

### Low Maintenance

- Firmware update service via built-in BLE
- Check battery operation status and configure BMS via BLE

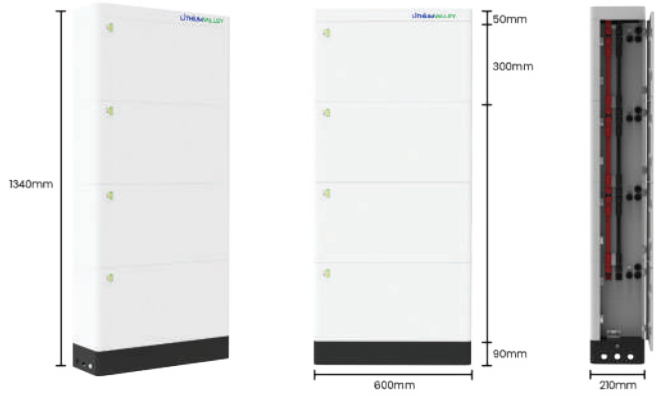
### Flexible and Expandable

- Up to 6 layers of batteries can be connected in series.
- The maximum capacity is 15.36 kilowatt-hours

### Certification

- CB,IEC62619,UL1973, UL9540A,UKCA,CE-EMC, CE-GPSD,EN62619; UN38.3,MSDS

## Dimensions




| TechnicalSpecification | LV-BST-L5.12Aa | | | | | |
|---|---|---|---|---|---|---|
| Model | 51.2V100Ah | 51.2V200Ah | 51.2V300Ah | 51.2V400Ah | 51.2V500Ah | 51.2V600Ah |
| Numberoflayers | 1layers | 2layers | 3layers | 4layers | 5layers | 6layers |
| Picture |  | | | | | |
| Energy | 5.12KWh | 10.24KWh | 15.36KWh | 20.48KWh | 25.6KWh | 30.72KWh |
| Dimension | 600*210*440 | 600*210*740 | 600*210*1040 | 600*210*1340 | 600*210*1640 | 600*210*1940 |
| Weight(KG) | 56 | 104 | 152 | 200 | 248 | 296 |

| | |
|---|---|
| Operating Voltage Range | 43.2V~56.16V |
| Recommend charge current | 50A |
| MAX.continuous charge/discharge current | 100A |
| Peakdis charge current | 150A 600ms |
| LED Display | The information of Battery,such as SOC,battery working status. |
| Communication | Support RS485/CAN |
| Charging temperature | 0°C~55°C |
| Discharge temperature | -20°C~60°C |
| Environment | Indoor/outdoor under roof (avoid direct sunlight) |
| Relative humidity | 5%~95% |
| Cooling | Natural cooling |
| Cell technology | Lithium-iron phosphate(LiFePO4) |
| Life cycle | 6000times@80%DOD |
| Protection Rating | IP65 |
| Certificates | CB,IEC62619,UL1973,UL9540A,UKCA,CE-EMC,CE-GPSD,EN62619;UN38.3,MSDS |

| Single module Technical Specification | |
|---|---|
| Module | 51.2V100Ah,5.12kWh |
| Dimension(L*W*H) | BatteryBox:600*210*300mm |
| Battery module weight | 48KG |

*The actual product may have slight differences from some promotional videos or pictures. Please refer to the actual product. Unless otherwise specified the data on this page are all from our company's laboratory. The data may have errors due to changes in the objective environment.
*The specifications are subject to change without prior notice.

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