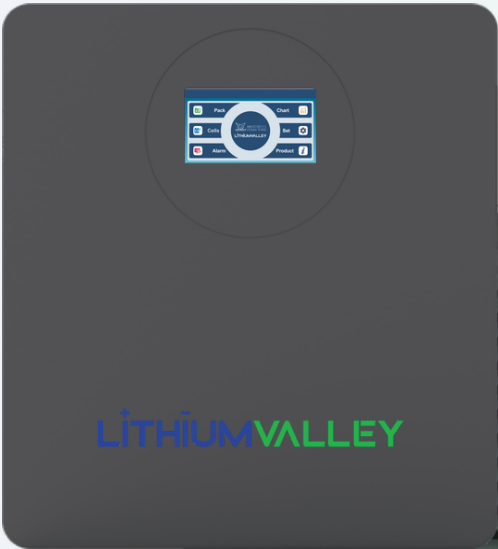




Home Energy
Storage Battery Series

LV-BAT-W2.56Da 25.6V 100Ah 2.56kWh

Version: V1.0



The LV-BAT-W2.56Da is a comprehensive home wall-mounted solar lithium battery. It features built-in high-quality, high-capacity LiFePO4 batteries, ensuring a long system lifespan for the battery. The independently designed Battery Management System (BMS) has been verified to be compatible with inverters from different brands, supporting hybrid grid-tied and off-grid operation modes.

FEATURES



Multi-Scenario

- It has a unique and compact design, making it suitable for various scenarios



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

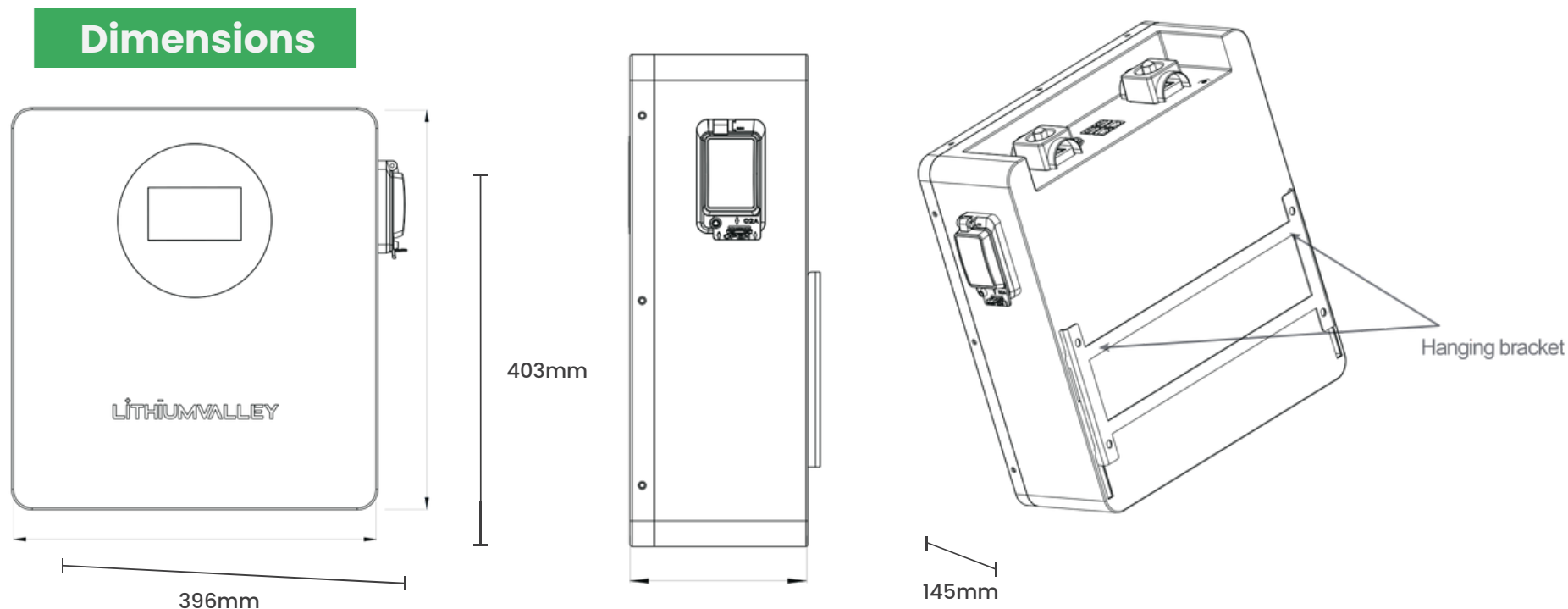
- Up to 20 units in parallel
- The parallel system's max capacity is 51.2kWh



Certification

- UN38.3, MSDS, Marine Report

Dimensions



Product Name

LV-BAT-W2.56Da

Electrical Characteristics

Nominal Voltage	25.6V
Rated Capacity	100Ah
Energy	2560Wh
Cell Technology	Lithium Iron Phosphate (LFP)
Cycle Life	6,000 cycles @ 80%DOD, 25°C/0.5C
Operating Voltage	22.4~28.08V
Communication Interfaces	RS232 / CAN / RS485
Scalability	Up to 20 units
Expansion Function	Bluetooth

Charge & Discharge

Suggested Charging/Discharging Current	50A
Standard Charging/Discharging Current	50A
Max continuous charge/discharge current	100A
Conversion Efficiency	99%, 25°C/0.5C

Environmental

Working Environment	Indoor
Charging Temperature	0~55°C (32° F~131° F)
Discharging Temperature	-20~60°C (-4° F~140° F)
Storage Temperature	20°C to 45°C (68° F to 113° F) within three months; 25±3°C (77° F±5.4° F) for more than three months
Storage Humidity	65±20%RH
Cooling	Natural Convection
iP Rating	IP21

Mechanical

Dimension(L*W*D)	403*396*145mm
Weight(approximately)	29kg
Installation	Wall-mounted

Certification

UN38.3, MSDS, Marine Report

*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.