



# Residential LFP Battery Series

LV-BAT-W5.12Ac

51.2V 100Ah 5.12kWh

A sleek and space-saving solution for your energy storage needs. With its compact design and easy installation, it seamlessly blends into any environment. Whether in your home, office, or commercial space, our wall-mounted unit provides reliable and efficient energy storage.



LV-BAT-W5.12Ac is a perfect wall-mounted solar energy lithium battery for residential home use. Built-in with High-Quality LiFePO4 large capacity cells. It ensures a long cycle life of the battery system. The designed BMS is verified to be compatible with different brands of inverters, hybrid on grid&off grid or off grid.

**DONGUAN  
LITHIUM VALLEY  
ENERGY CO., LTD .**

## FEATURES



### 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

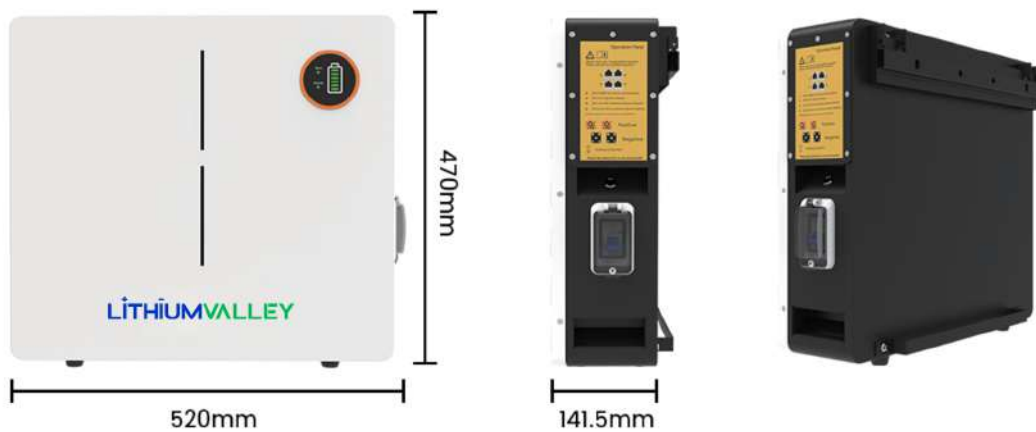
Quick plug in +/- and parallel connection



### Certificates

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

# Dimensions



Model	LV-BAT-W5.12Ac
Nominal Voltage	51.2V
Rated Capacity	100Ah
Energy	5120Wh
Charging Cut-off Voltage	56.16 V
Discharge Cut-off Voltage	45.6 V
Recommend charge/discharge current	50A
Maximum continuous charge/discharge current	100A
Instantaneous discharge current	200A/3S
Charge temperature	0~55°C
Discharge temperature	-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/outdoor under roof (avoid direct sunlight)
Installation	Wall mounted
Cell Technology	Lithium iron phosphate (LiFePO4)
Life Cycle	6000 times @80%DOD
Cooling	Natural convection
Protection Rating	IP65
Certificates	CB, IEC62619, UL1973, UKCA, CE-EMC, CE-GPSP, EN62619 ; UN38.3, MSDS

## Dimension and Weight

Dimension	520*470*141.5mm
Battery Net Weight/Gross Weight	48.45KG/54.15KG

## Communication Instruction

Communication	RS232, CAN, RS485
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\*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.

