LV-BAT-W5.12Ac

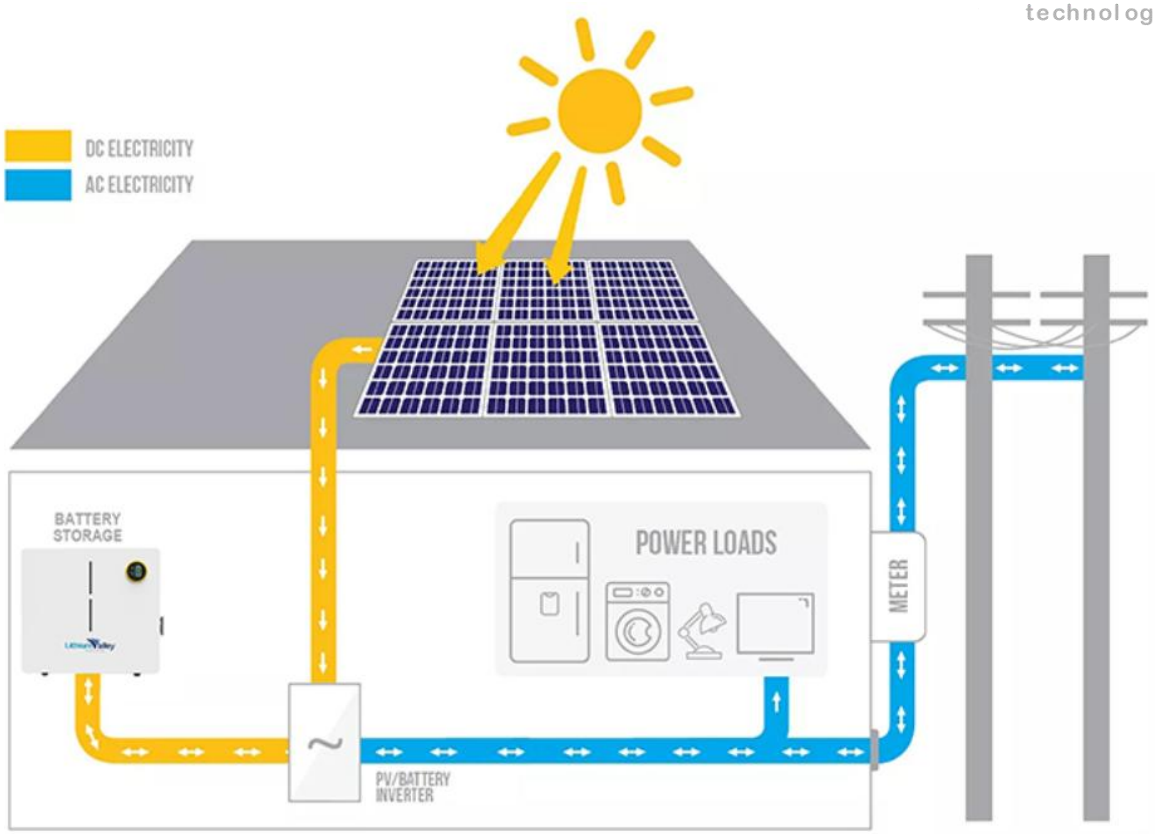
Household Energy Storage

Capacity

51.2V 100Ah Single module

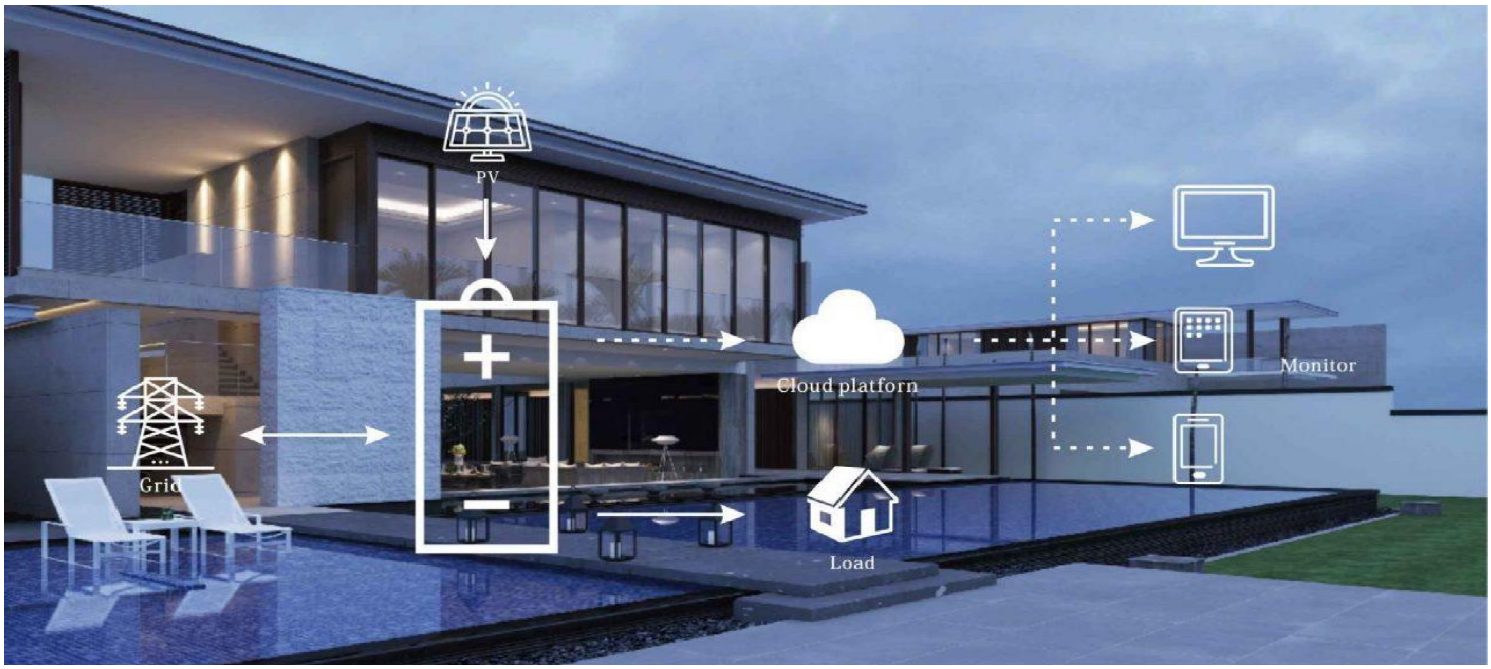
Wall Mounted LiFePO4 Battery

- 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, empowering you to optimize energy usage and reduce waste.



Application Scenarios

- Villa
- Farm
- Communication base station
- Household
- Nomadic area
- Field power supply



Advantages

Unique Design
New wall mount design

LED Display
SOC, Battery Status

Flexible Capacity
Max.15pcs in Parallel to extend capacity

Easy Installation
Quick plug in +/- and parallel connection

Safe &Reliable
Lithium Iron Phosphate (LFP) Cell

Certificates
CB 62619:2017, UN38.3, MSDSCE EMC EN61000-6-2/4

Model	LV-BAT-W5.12Ac

General Specification	
Model	LV-BAT-W5.12Ac
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	100 A, -20°C~60°C ; 65±20%RH
Operating Temperature Range	–20~60℃
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 mounted/Floor stand
Cell Technology	Lithium-iron phosphate (LiFePO4)
Life Cycle	6000 times @80%DOD
Cooling	Natural convection
Protection Rating	IP65
Certificates	CB,IEC62619, UN38.3, MSDS CE-EMC, EN61000-6-1/2/3/4;CE-GPSD,EN62619

Dimension and Weight

Dimension	520*470*141.5mm
Battery Net Weight (Approx.)	47.2KG

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.