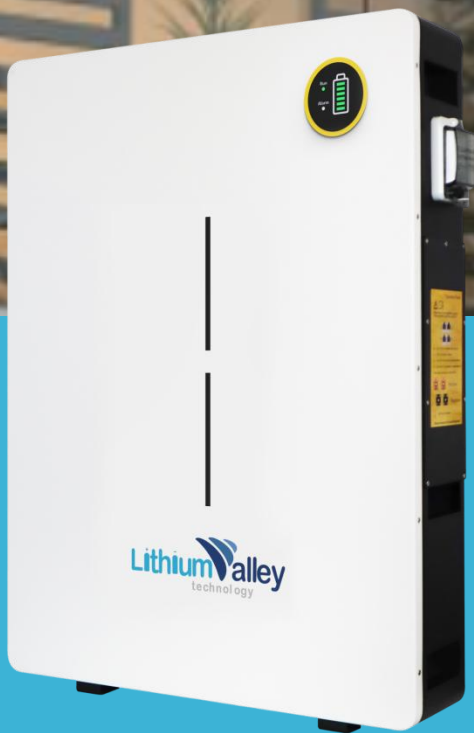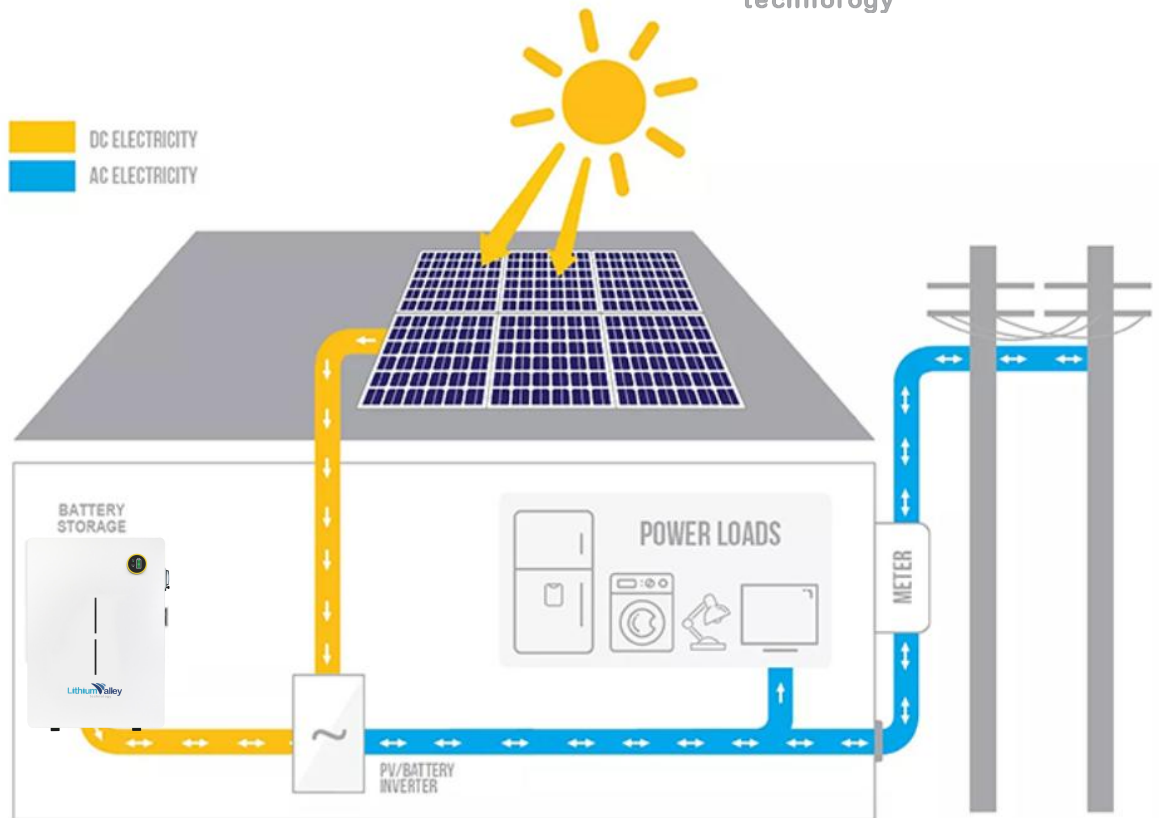# LV-BAT-W10.24Ac

Household Energy Storage

Capacity ▶
51.2V 200Ah 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.

DC ELECTRICITY
AC ELECTRICITY

BATTERY STORAGE

POWER LOADS

METER

PV/BATTERY INVERTER

Application Scenarios

Villa

Farm

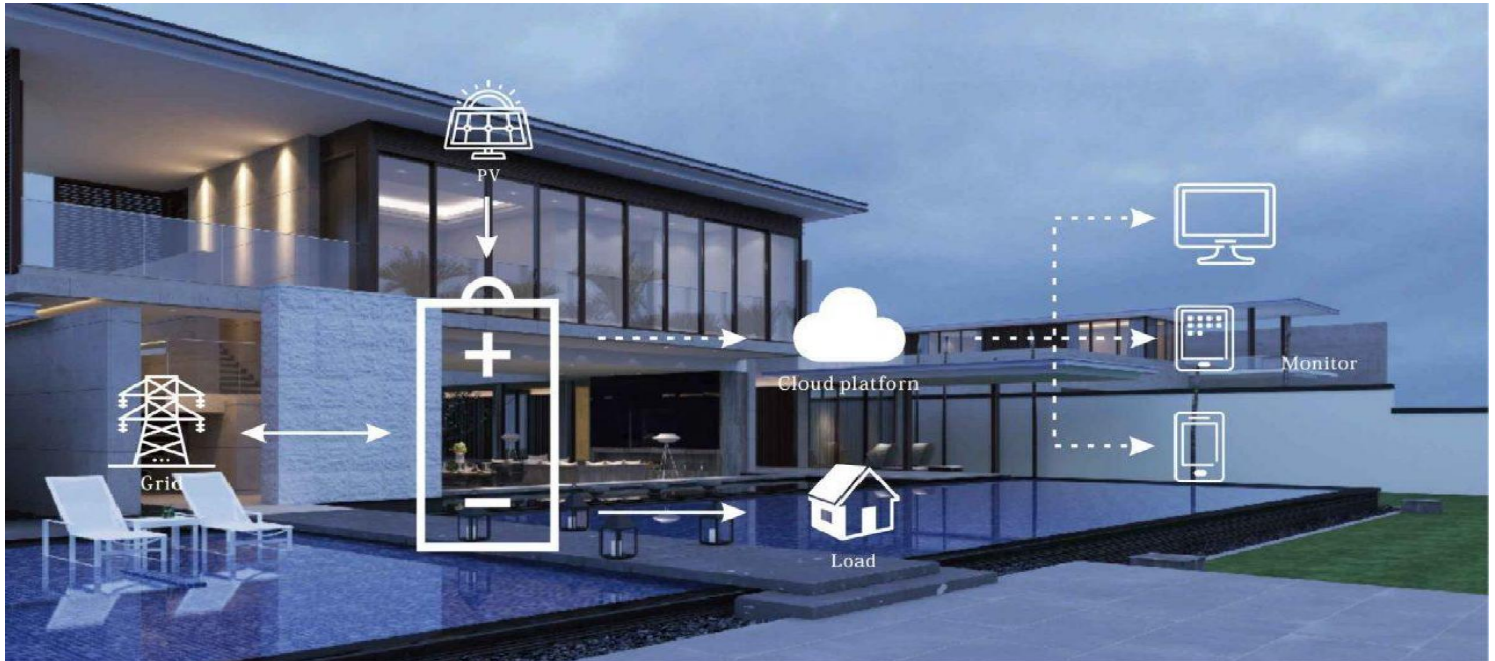Communication base station

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 , UN38.3, MSDS, CE EMC

UL1973,UL9540A

LV-BAT-W10.24Ac

Model	

General Specification

Model	LV-BAT-W10.24Ac
Nominal Voltage	51.2V
Rated Capacity	200Ah
Energy	10240Wh
Battery Impedance	≤ 50 mΩ
Charging Cut-off Voltage	56.16 V
Discharge Cut-off Voltage	45.6 V
Recommend Charge Current	0.2 C 40 A
Max Charge Current	0°C ~ 15°C: 40A; 15°C ~ 45°C: 100A;
Max Continue Discharge Current	200 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 , UN38.3, MSDS, CE EMC UL1973,UL9540A

Dimension and Weight

Dimension	800*590*142mm
Battery Net Weight (Approx.)	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.

① CAN / RS485 for inverter communication
② RS232 for engineer software
③ Link in for link connection between batteries
④ Link out for link connection between batteries

530mm

470mm

141.5mm

30.02mm

800mm

590mm