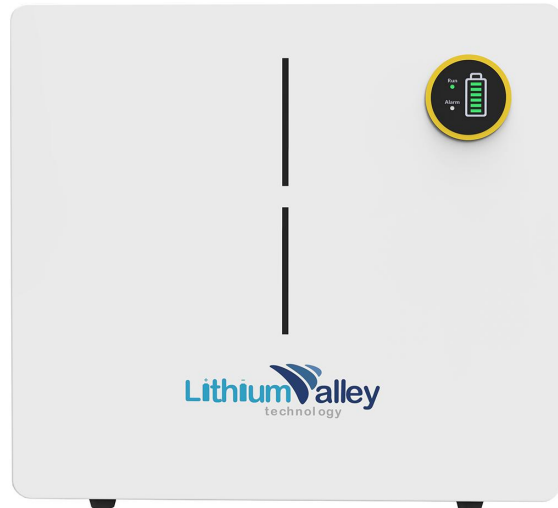


Wall Mounted LiFePO4 Battery

51.2V 100Ah 5kWh

EU Version



LV-BAT-W5.12Ac



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

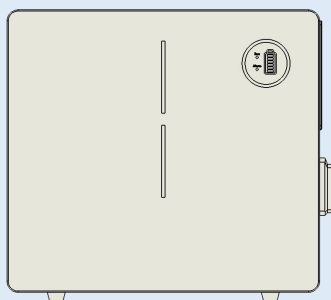


Certificates

CB 62619:2017, UN38.3, MSDS
CE EMC EN61000-6-2/4

LV-BAT-W5.12Ac

Model



General Specification

Model	LV-BAT-W5.12Ac
Nominal Voltage	51.2V
Rated Capacity	100Ah
Energy	5120Wh
Battery Impedance	$\leq 50 \text{ m}\Omega$
Charging Cut-off Voltage	56.16 V
Discharge Cut-off Voltage	45.6 V
Recommend Charge Current	0.5 C 50 A
Max Charge Current	0°C ~ 15°C: 50A; 15°C ~ 45°C: 100A;
Max Continue Discharge Current	100 A, -20°C~60°C ; 65±20%RH
Operating Temperature Range	-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
Installation	Wall mount
Cell Technology	Lithium-iron phosphate (LiFePO4)
Life Cycle	6000 times @80%DOD
Cooling	Natural convection
Protection Rating	IP54
Certificates	CB 62619:2017, UN38.3, MSDS CE EMC EN61000-6-2/4

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.



- 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





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