

BEZVOLT

THE BEST ENERGY STORAGE



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.



BEZVOLT 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 & hybrid off grid or off grid.



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	BV 51.2-100-LV
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	0.2C 20A
Max. Charge Current	0°C ~ 15°C: 20A; 15°C ~ 45°C: 50A;
Max Continue Discharge Current	100A, -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 mounted/ Floor stand
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-GPDS, EN62619 ; UN38.3, MSDS

Dimension and Weight

Dimension	520x470x141.5mm
Battery Net Weight/ Gross Weight	48.45KG/ 54.15KG

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 9600 bps.
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.