

Residential LFP Battery Series

LV-BST-H2.56Aa

51.2V 50Ah 2.56kWh

Power up your energy storage game with compact size, lightweight design, and effortless installation of standardized modules, leveraging the advantages of high voltage. Effortlessly customize battery combinations to meet your energy storage needs.

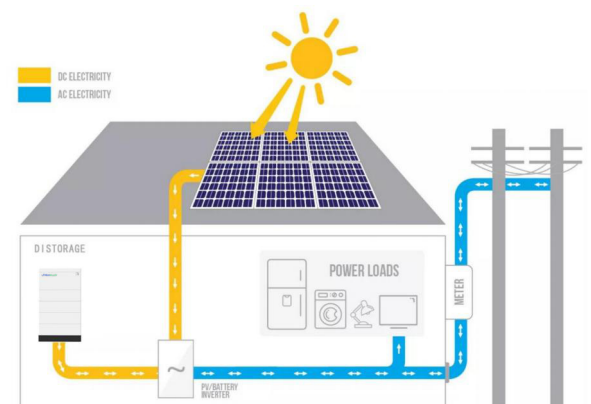


The LV-BST-H2.56Aa is a high voltage battery system designed by Lithiumvalley with a flexible modular design. It is capable of stacking 3 to 10 battery modules with available capacities from 7.68kWh to 25.6 kWh and voltages from 153.6V to 512V. It is the ideal energy storage solution for on-grid or off-grid solar installations. With the High-Voltage residential battery bank, you can use more clean energy in a more efficient way.

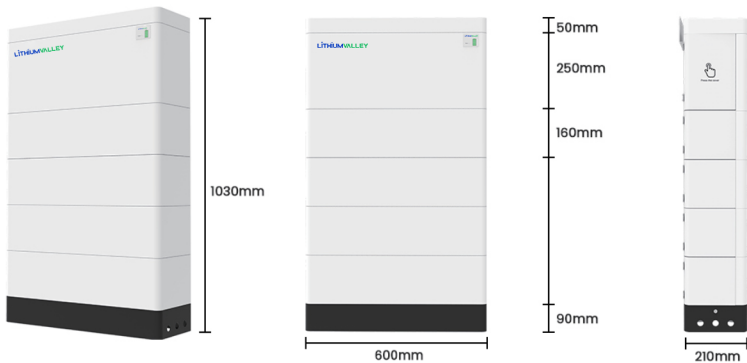
**DONGUAN
LITHIUM VALLEY
ENERGY CO., LTD .**

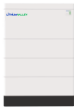
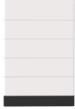
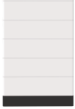
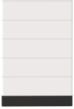
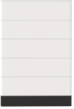
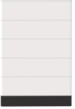
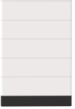
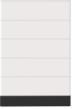
FEATURES

- High-voltage LiFePO4 battery solution, Single module is 51.2V/50Ah/2.56kWh.
- 3 to 10 layers recommended.
- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Life Cycle and Power.
- Applicable on grid or hybrid on and off-Grid solar energy storage system.
- Self-Consumption Optimization for Residential and Commercial Applications.
- Modular Design Simplifies Transport and Installation.



Dimensions



Technical Specification								
LV-BST-H2.56Aa								
Model	153.6V50Ah	204.8V50Ah	256V50Ah	307.2V50Ah	358.4V50Ah	409.6V50Ah	460.8V50Ah	512V50Ah
Number of layers	3 layers	4 layers	5 layers	6 layers	7 layers	8 layers	9 layers	10 layers
Picture								
Energy	7.68KWh	10.24KWh	12.8KWh	15.36KWh	17.92KWh	20.48KWh	23.04KWh	25.6KWh
Operating Voltage Range	134.4V~168.48V	179.2V~224.64V	224V~280.8V	268.8V~336.96V	313.6V~393.12V	358.4~449.28V	403.2V~505.44V	448V~561.6V
Dimension (L*W*H)mm	600*210*870	600*210*1030	600*210*1190	600*210*1350	600*210*1510	600*210*1670	600*210*1830	600*210*1990
Weight(KG)	102.5	129	155.5	182	208.5	235	261.5	288
Recommend charge current	25A							
Max continue charge current	50A							
Max continue discharge current	50A							
Peak current	100A/1s							
Display	The information of Battery, such as SOC, battery voltage and so on							
Communication	Support RS485 / CAN							
Maximum parallel support	4 clusters(3 to 10 units per cluster)							
Charging temperature	0℃~55℃							
Discharge temperature	-20℃~60℃							
Environment	Indoor/outdoor under roof (avoid direct sunlight)							
Relative humidity	5%~95%							
Cooling	Natural convection							
Cell technology	Lithium-iron phosphate (LiFePO4)							
Protection Rating	IP65							
Life cycle	6000 times @80%DOD							
Certificates	CB, IEC62619, CE-EMC, CE-GPSP, UKCA, UL1973, UL9540A, IEC/EN62040; UN38.3, MSDS							

Single module Technical Specification	
Module	51.2V 50Ah, 2.56kWh
Dimension (L*W*H)mm	High Voltage Box:600*210*250 Battery Box:600*210*160
Weight(KG)	High Voltage Box:14 Battery Box:28

*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.

