



Residential LFP Battery Series

H5**102.4V 50Ah 5.12kWh**

The H5 features smaller and lighter individual modules with a plug-and-play stacking design, allowing for simple and easy installation steps to customize the battery modules effortlessly to meet your energy storage needs.

The entire system is intelligent and flexible through reliable BMS providing you with a more stable power management Platform. The H5 is a new high-voltage battery system designed by Lithium Valley, featuring a flexible modular design that can stack 1-5 battery modules with a usable capacity ranging from 5.12kWh to 25.6kWh and a voltage range of 102.4V to 512V. It is an ideal energy storage solution for grid-tied or off-grid solar systems. By using high-voltage stacked batteries, you can utilize more clean energy more efficiently.

Product Advantages



Unique Design

Modular layout,
combined with convex aesthetics,
and space-saving design.



Extended Function

Battery heating



Safe and Reliable

Single-packet thermal aerosol
fire extinguishing device
IP65



LED Display

SOC, battery status



Easy Installation

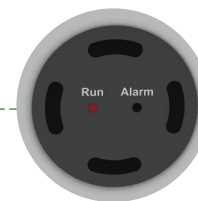
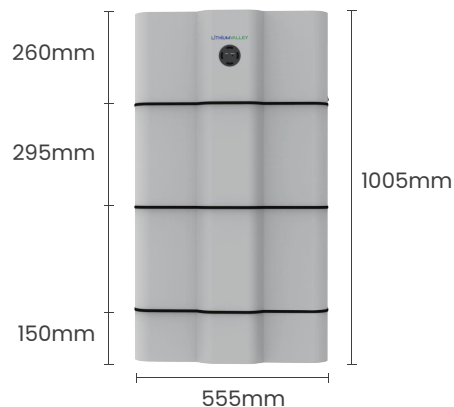
Quick-install connectors,
removing the need for wiring



Expandable Capacity

Recommended 1-5 layers






Dimensions



Display screen



Quick connector

Model	H5				
Number of layers	1layers	2layers	3layers	4layers	5 layers
Picture					
Energy	5.12KWh	10.24KWh	15.36KWh	20.48KWh	25.6KWh
Operating voltage range	89.6-116.8V	179.2-233.6V	268.8-350.4V	358.4-467.2V	448-584V
Dimension(L*W*H)	555*265*710mm	555*265*1005mm	555*265*1300mm	555*265*1595mm	555*265*1890mm
Weight	68.3kg	113.6kg	158.9kg	204.2kg	249.5kg

Single Module Technical Specification

Dimension (L*W*H)	High Voltage Box: 555*265*260mm, Battery Box: 555*265*295mm, Base: 555*265*150mm
Weight	High Voltage Box: 15kg, Battery Box: 45.3kg, Base: 8kg
Nominal voltage	102.4V
Nominal capacity	50Ah
Energy	5.12KWh
Recommended charging current	25A
Max continue charge current	50A
Max continue discharge current	50A
Charging temperature	0-45°C
Discharge temperature	-20-55°C
Environment	Indoor or outdoor eaves
Altitude	3000m
Relative humidity	5%~95%
Cooling	Natural convection
Cell technology	Lithium-iron phosphate (LiFePO4)
Protection rating	IP65
Life cycle	6000 times @80%DOD(25°C)
Communication	CAN/RS485
Extended function	Thermal aerosol fire extinguishing device (standard) / Heating function (optional)
Certificates	CB、IEC 62619、IEC 61000、EMC、UN38.3、MSDS

