

Residential High Voltage Battery Series

15.36~30.72kWh



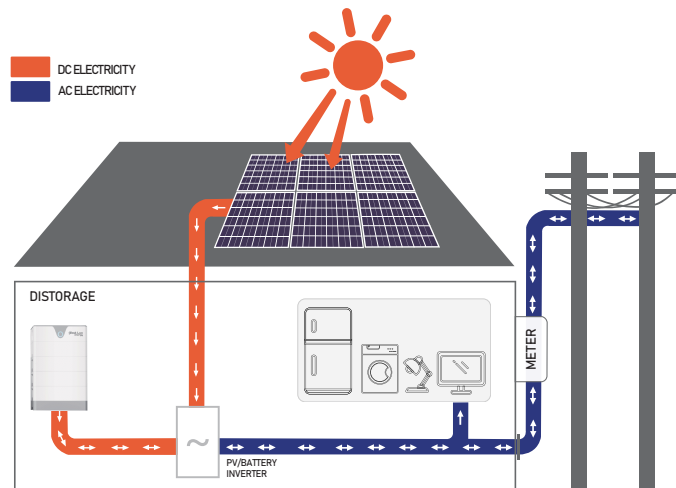
Brief Introduction

The **EL-15~30SS-HV** is a high voltage battery system designed by East Lux Energy with a flexible modular design. It is capable of stacking 3 to 6 battery modules with available capacities from 15.36kWh to 30.72kWh and voltages from 153.6V to 307.2V. 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.





Features

- High-voltage LiFePO4 battery solution, Single module is 51.2V/100Ah/5.12kWh.
- 3 to 6 layers recommended.
- Grade A EVE LFP battery cell, 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.

Easy Installation



Technical Specification

Model	EL-15SS-HV (153.6V 100Ah)	EL-20SS-HV (204.8V 100Ah)	EL-25SS-HV (256V 100Ah)	EL-30SS-HV (307.2V 100Ah)
Number of layers	3 layers	4 layers	5 layers	6 layers
Picture				
Energy	15.36KWh	20.48Wh	25.6KWh	30.72KWh
Operating Voltage Range	134.4V~168.48V	179.2V~224.64V	224V~280.8V	268.8V~350.4V
Dimension (L*W*H)mm	610*225*1140	610*225*1390	610*225*1640	610*225*1890
Weight(KG)	170	223	276	329
Recommend charge current	50A			
Max continue charge current	100A			
Max continue discharge current	100A			
Display	The information of Battery, such as SOC, battery voltage and so on			
Communication	Support RS485 / CAN			
Maximum parallel support	4 clusters (3 to 6 units per cluster)			
Charging temperature	0°C~ 55°C			
Discharge temperature	-20°C~ 60°C			
Environment	Indoor			
Relative humidity	5%~ 95%			
Cooling	Natural convection			
Cell technology	Lithium-iron phosphate (LiFePO4)			
Life cycle	6000 times @80%DOD			
Certificates	CB, IEC62619, CE-EMC, CE-GPSD, UKCA, UL1973, UL9540A, EN62040, IEC62040; UN38.3, MSDS			

Single module Technical Specification

Module	51.2V 100Ah, 5.12kWh		
Dimension (L*W*H)mm	High Voltage Box: 610*225*250 Battery Box: 610*225*250		
Weight (KG)	High Voltage Box: 16 Battery Box: 48.5		



For more information, please contact us

EAST LUX ENERGY TECHNOLOGY (SHENZHEN) CO., LTD

☎ +86755 2826 2663

✉ info@eastluxenergy.com

🌐 www.eastluxenergy.com

📍 No. 29 Longcheng Ave., Longgang District, Shenzhen, China