Hailei®

RESIDENTIAL ENERGY STORAGE SYSTEM

IP66
Indoor and outdoor installation options

Cycle Life
Up to 6000+ cycles

C4 class
Anti-corrosion battery housing

Powered by EVE cells
Reliable quality, high safety

Heating function
Improved the low temperature performance

Fire protection function
More safety

Item	Parameters		
Technical Specification	WB-51100	LV51200	LV51300
Performance			
Battery capacity	5kWh	10kWh	15kWh
Battery usable capacity	5kWh	10kWh	15kWh
Charging & discharging power	4kW	6kW	6kW
Max.charging and discharging power	5kW	7kW	7kW
Nominal voltage	51.2V		
Operating voltage range	44.8V-57.6V		
Cycles and SOH	＞6000, 80%（10 years）		
Communication			
Display	SOC status indicator, LED indicator		
Communication	RS485/CAN		
General Specification			
Dimensions	550mmx480mmx165mm 21.65 in.x 18.9in.x6.5in.	698mmx560mmx165mm 27.36in.x22.05in.x6.3in.	690mmx580mmx240mm 27.17in.x22.83in.x9.45in.
Weight	55kg	99.5kg	122kg
Installation	Wall mount	Floor- standing	Floor-standing
Operating temperature	-20℃to+55℃ （-4°F to+131°F）		
Max operating altitude	3000m(9842ft.)		
Environment	Indoor /outdoor		
Relative humidity	5%-95%RH		
Cooling	Natural		
IPrating	IP66		
Noise emission	＜29dB		
Cell technology	Lithium-ion phosphate (LiFePO4)		
Compatible inverters	DEYE , SOLIS, Victron Energy, Growatt (Spf-Sph), Voltronic, Easun, Goodwe, Megarevo, Luxpower, SMA, Afore, SRNE		
Standard Compliance (More Available Upon request)			
Certificates	CE, IEC62619, UN38.3, RoHS		

1 .Test conditions: 100% depth of discharge (DoD, 0.2c rate charge & dicharge at 25'c, at the beginning of life. if no PV modules are installed or the system has not detected sunlight for at least 24 hours, the minimum end of discharge SOC is 15%.

2 .The Max. power can maintain 15s, under the conditions: 80%SOC , work temperature between 25 °C to 40 °C.

3 .Refer to battery warranty letter for conditional application.

4 .Indoor installation is recommended. For outdoor installation, refer to the user manual for instruction.

Disclaimer: the preceding values are measured by an internal laboratory of Hailei in a specific environment. The actual values may vary with products, software versions,usage conditions, and environmental factors.