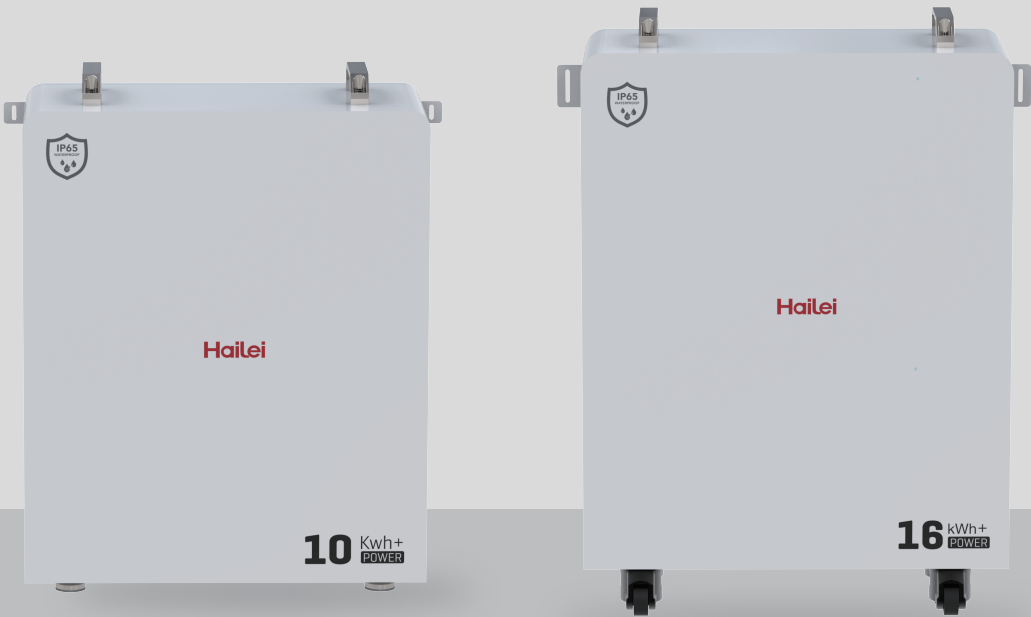


# RESIDENTIAL ENERGY STORAGE SYSTEM



**IP65**  
Indoor and outdoor  
installation options



**Cycle Life**  
Up to 6000+ cycles



**C4 class**  
Anti-corrosion battery housing



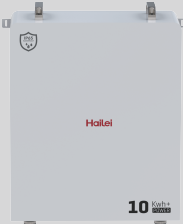
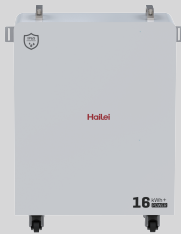
**WIFI & Bluetooth**  
monitoring available



**Heating function**  
Improved the low temperature  
performance



**Fire protection function**  
More safety

| Item                                              | Parameters                                                                                                      |                                                                                                         |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Technical Specification                           | <div>LV51200H</div>            | <div>LV51314H</div>  |
|                                                   |                                                                                                                 |                                                                                                         |
| Performance                                       |                                                                                                                 |                                                                                                         |
| Battery capacity                                  | 10.24kWh                                                                                                        | 16.076kWh                                                                                               |
| Battery Usable capacity                           | 9.2kWh                                                                                                          | 14.4kWh                                                                                                 |
| Charging & discharging power                      | 6kW                                                                                                             | 6kW                                                                                                     |
| Max.charging and discharging power                | 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                                        | 630mm*530mm*240mm                                                                                               | 710mm*580mm*240mm                                                                                       |
| Weight                                            | 90kg                                                                                                            | 118Kg                                                                                                   |
| Installation                                      | Floor- standing                                                                                                 | Floor-standing                                                                                          |
| Operating temperature                             | Charge:-10°C to +55°C , discharge:-20°C to +55°C                                                                |                                                                                                         |
| Max operating altitude                            | 3000m(9842ft.)                                                                                                  |                                                                                                         |
| Environment                                       | Indoor /outdoor                                                                                                 |                                                                                                         |
| Relative humidity                                 | 5%-95%RH                                                                                                        |                                                                                                         |
| Cooling                                           | Natural                                                                                                         |                                                                                                         |
| IPrating                                          | IP65                                                                                                            |                                                                                                         |
| 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.