



## LITHIUM IRON PHOSPHATE (LIFEPO4) BATTERY

### ES-Li5KWh-25.6V-200Ah Series

WIFI | Bluetooth

**Built-in Fire Suppression Device**  
Automatically activates in case of an emergency

**4.3-inch touch screen display**  
High-definition touch display for intuitive and easy operation

**Flexible capacity options**  
5.12kWh Capacity, Expandable to 15 Units in Parallel.

**Built-in WiFi / Bluetooth**  
Support real-time remote monitoring

**Integrated Enclosure Design**  
High-strength integrated structure for greater stability, durability, and reliability

**Flexible Installation**  
Top-facing terminals support wall-mounted, stacked, and floor-standing installation

#### ES-LI5KWH-25.6V-200AH

| TECHNICAL DATA                                                              |            |                                                                                                                                                    |
|-----------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal Voltage                                                             |            | 25.6V                                                                                                                                              |
| Nominal Capacity                                                            |            | 200Ah                                                                                                                                              |
| Nominal energy                                                              |            | 5120Wh                                                                                                                                             |
| Max. output power                                                           |            | 3.5KW                                                                                                                                              |
| Life Cycles                                                                 |            | ≥8000(25°C+3°C)                                                                                                                                    |
| Recommended Charge Voltage                                                  |            | 29.2V                                                                                                                                              |
| Recommended Charge Current                                                  |            | 40A                                                                                                                                                |
| End Of Discharge Voltage                                                    |            | 22V                                                                                                                                                |
| Standard Method                                                             | Charge     | 40A                                                                                                                                                |
|                                                                             | Discharge  | 100A                                                                                                                                               |
| Maximum Continuous Current                                                  | Charge     | 150A                                                                                                                                               |
|                                                                             | Discharge  | 150A                                                                                                                                               |
| BMS Cut-Off Voltage                                                         | Charge     | 29.2V (3.65V/Cell)                                                                                                                                 |
|                                                                             | Discharge  | 22.0V (2.75V/Cell)                                                                                                                                 |
| Temperature                                                                 | Charge     | 0~50°C                                                                                                                                             |
|                                                                             | Discharge  | -20~55°C                                                                                                                                           |
| Storage Temperature                                                         |            | -5~35°C                                                                                                                                            |
| Shipment Voltage                                                            |            | ≥25.6V                                                                                                                                             |
| Safety Function                                                             |            | Over-charge, Over-discharge, Over-current, Low/High-temperature, Short-circuit Protections                                                         |
| Module Parallel                                                             |            | Up to 15 units                                                                                                                                     |
| Communication                                                               |            | CAN2.0/RS232/RS485                                                                                                                                 |
| IP Protection level                                                         |            | IP21                                                                                                                                               |
| Case Material                                                               |            | SPCC                                                                                                                                               |
| Installation Mode                                                           |            | Wall-mounted, Stacked-mounted, Vertical-mounted                                                                                                    |
| Machine Dimension (W*H*D) (mm)                                              |            | 442*486.5*250                                                                                                                                      |
| Package Dimension (W*H*D) (mm)                                              | carton box | 547*300*557                                                                                                                                        |
|                                                                             | wooden box | /                                                                                                                                                  |
| N.W (kg)                                                                    |            | 45                                                                                                                                                 |
| G.W (kg)                                                                    | carton box | 49                                                                                                                                                 |
|                                                                             | wooden box | /                                                                                                                                                  |
| * Variations in dimensions and weights may occur due to production batches. |            |                                                                                                                                                    |
| Operating altitude                                                          |            | ≤4000m                                                                                                                                             |
| Charge Retention And Capacity Recovery Capability                           |            | Standard charge the battery, and then put aside at room temperature for 28d or 55°C for 7d, Charge retention rate≥90%, Recovery rate of charge≥90% |
| Warranty                                                                    |            | 5 years                                                                                                                                            |
| Certification & Standards                                                   |            | CE-EMC (EN 61000-6-3: 2007+A1: 2011+AC: 2012 EN IEC 61000-6-1: 2019)<br>IEC62619-1:2018; IEC62619:2022; IEC62619:2017; UN38.3/ MSDS                |