



## STH-BL Low Voltage LFP Battery STH-BL5



### *User Friendly*

- Get started quickly and use it instantly.
- Minimum width of just 14cm, saving space in the home.

### *Safety*

- High-quality LFP cells.
- Proven Li-ion battery management solutions.

### *Easy To install*

- Supports wall or floor mounting.
- Plug-and-play design. Supports one-key power on/off
- Easy to scale up, with Up to 8 clusters in parallel.

### *IP65*

- IP65 water and dust proof, supports both indoor and outdoor installation.

| Model                             | STH-BL5                                  |
|-----------------------------------|--|
| <b>General Data</b>               |  |
| Battery Type                      | LiFePO4                                  |
| Battery Capacity Per Kit          | 5.12kWh                                  |
| Nominal capacity                  | 100Ah                                    |
| Rated Voltage                     | 51.2Vdc                                  |
| Voltage Range                     | 43.2V ~ 57.6V                            |
| Max. Charging and DischargingRate | 50/100A                                  |
| Depth Of Discharge (DOD)          | 95%                                      |
| Cycle Life (25°C, 0.5C)           | >6000, 25°C, 0.5C                        |
| Scalability                       | Yes                                      |
| <b>General Data</b>               |  |
| Communication Mode                | RS485, CAN, WIFI(Optional)               |
| Operating Temperature Range       | -10~50°C (Charge) / -20~50°C (Discharge) |
| Storage Temperature Range         | -20°C~60°C                               |
| Expansion                         | Up to 8 clusters in parallel             |
| Altitude                          | < 2000m                                  |
| Ambient Humidity                  | 5~95%RH, No condensation                 |
| Ingress Protection                | IP65                                     |
| Dimensions (W*H*D)                | 420*650*140mm                            |
| Weight                            | 45kg                                     |
| Installation Methods              | Wall-mounted, floor-to-barrery           |
| Certification                     | IEC62619/CE/UN38.3/ROHS                  |

