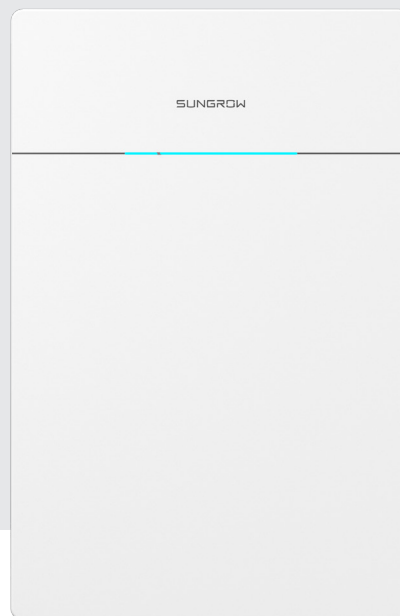


# SBS050

High Voltage LFP Battery

Preliminary



## HIGH-PERFORMANCE

- Single module supports 5kW off grid output
- Up to 100 % usable energy



## SAFETY

- Lithium Iron Phosphate (LFP) Cell
- Refined battery management



## FLEXIBILITY

- Supports 1-4 modules parallel (20.48kWh)
- No need a junction box for expansion



## EASY INSTALLATION

- Slim design with a depth of only 182mm
- Plug and play design



| Technical properties                           | SBS050                                            |
|------------------------------------------------|---------------------------------------------------|
| <b>System data</b>                             |                                                   |
| Battery type                                   | LiFePO4 Prismatic Cell                            |
| Battery module                                 | 5.12 kWh                                          |
| Nominal voltage                                | 102.4 V                                           |
| Operating voltage                              | 86.4 V - 116.8 V                                  |
| Rated charging/discharging current: continuous | 30 A ( charging ) / 50 A ( discharging )          |
| Max. charging/discharging current              | 50 A ( charging ) / 50 A ( discharging )          |
| Display                                        | SOC indicator, Status indicator                   |
| Communication interface                        | CAN                                               |
| <b>Protection</b>                              |                                                   |
| Over/under voltage protection                  | Yes                                               |
| Over current protection                        | Yes                                               |
| Over/under temperature protection              | Yes                                               |
| DC breaker                                     | Yes                                               |
| <b>General data</b>                            |                                                   |
| Dimensions (W*H*D)                             | 515 mm * 780 mm * 182 mm                          |
| Weight                                         | 58 kg                                             |
| Installation location                          | Indoor / Outdoor                                  |
| Mounting method                                | Floor stand / Wall-mounted                        |
| Operating ambient temperature range            | Charge: 0 °C - 55 °C<br>Discharge: -20 °C - 50 °C |
| Degree of protection                           | IP55                                              |
| Allowable relative humidity range              | 0 % - 95 % no condensing                          |
| Max. operating altitude                        | Max. 2000 m                                       |
| Cooling method                                 | Natural convection                                |
| Certificates                                   | UN 38.3, IEC 62619                                |