



## Safety

- LFP safe technology
- All-round BMS protection
- Modular design with simple cable connections



## Reliable

- IP65 rated design
- High quality cell inside



## User-friendly

- Expandable up to 25.6 kWh (10 modules)
- Multi-use applications: self-consumption, peak shaving, time of use tariffs
- Online monitoring via Solplanet apps

## Technical Datasheet

| System Data                 | Battery module                         | Ai-HB 2.56LG                                     |                          |                       |                          |                          |                          |                          |                       |
|-----------------------------|--|--|--------------------------|-----------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------|
|                             | Cell type                              | LiFePO4  |                          |                       |                          |                          |                          |                          |                       |
|                             | Module quantity                        | 3  | 4                        | 5                     | 6                        | 7                        | 8                        | 9                        | 10                    |
|                             | Nominal energy <sup>1</sup>            | 7.68 kWh   | 10.24 kWh                | 12.8 kWh              | 15.36 kWh                | 17.92 kWh                | 20.48 kWh                | 23.04 kWh                | 25.6 kWh              |
|                             | Usable energy <sup>2</sup>             | 6.91 kWh   | 9.21 kWh                 | 11.52 kWh             | 13.82 kWh                | 16.12 kWh                | 18.43 kWh                | 20.73 kWh                | 23.04 kWh             |
|                             | Nominal voltage                        | 153.6 V  | 204.8 V                  | 256 V                 | 307.2 V                  | 358.4 V                  | 409.6 V                  | 460.8 V                  | 512 V                 |
|                             | Operating voltage                      | 134.4 V<br>~<br>168.4 V                          | 179.2 V<br>~<br>224.64 V | 224 V<br>~<br>280.8 V | 268.8 V<br>~<br>336.96 V | 313.6 V<br>~<br>393.12 V | 358.4 V<br>~<br>449.28 V | 403.2 V<br>~<br>505.44 V | 448 V<br>~<br>561.6 V |
|                             | Nominal charging / discharging current | 25 A   |                          |                       |                          |                          |                          |                          |                       |
|                             | Max. charging / discharging current    | 50 A   |                          |                       |                          |                          |                          |                          |                       |
|                             | General Data                           | Dimensions (W/D/H)                               | 600/210/820 mm           | 600/210/980 mm        | 600/210/1140 mm          | 600/210/1300 mm          | 600/210/1460 mm          | 600/210/1620 mm          | 600/210/1780 mm       |
| Weight                      |  | 102.5 kg   | 129 kg                   | 155.5 kg              | 182 kg                   | 208.5 kg                 | 235 kg                   | 261.5 kg                 | 288 kg                |
| Battery module weight       |  | 26.5 kg  |                          |                       |                          |                          |                          |                          |                       |
| Installation location       |  | Indoor   |                          |                       |                          |                          |                          |                          |                       |
| Mounting method             |  | Floor mounted                                    |                          |                       |                          |                          |                          |                          |                       |
| Operating temperature range |  | Charge: 0°C ~ 55 °C<br>Discharge: -20 °C ~ 55 °C |                          |                       |                          |                          |                          |                          |                       |
| Storage temperature range   |  | -20 °C ~ 45 °C                                   |                          |                       |                          |                          |                          |                          |                       |
| Cooling concept             |  | Natural convection                               |                          |                       |                          |                          |                          |                          |                       |
| Degree of protection        |  | IP65   |                          |                       |                          |                          |                          |                          |                       |
| Relative humidity           |  | 5%~95 %, non-condensing                          |                          |                       |                          |                          |                          |                          |                       |
| Communication               |  | RS485 / CAN                                      |                          |                       |                          |                          |                          |                          |                       |
| Certification               |  | IEC 62619 / EN 61000<br>IEC 62040 / UN38.3       |                          |                       |                          |                          |                          |                          |                       |
| Life cycle <sup>3</sup>     |  | 6000 times                                       |                          |                       |                          |                          |                          |                          |                       |