



## All-in-one Energy Storage System



### Highly Reliable

- Built-in BMS architecture, with an excellent protective mechanism
- IP55 protection design, can be installed under the eaves
- Real-time data monitoring and comprehensive data life cycle recording

### Highly Integrated

- Module-level equalization
- Mobile APP is available for data visualization, big data analytics, and reporting statistics

### Highly Flexibility

- Plug-and-play construction
- Complete module design and configuration as needed
- Support PV connected
- Support on/off grid applications



Up to 1C charge/discharge



Plug-and-play (all cables included)



10 years warranty



App Monitoring



IP55 protection



# All-in-one Energy Storage System

## TECHNICAL PARAMETER

| ITEMS             |                                       | H-A51200A                                                                                                     |
|-------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------|
| AC                | Nominal Output Power                  | 6 kW                                                                                                          |
|                   | Nominal Voltage                       | 220 / 230 / 240 V                                                                                             |
|                   | Nominal Frequency                     | 50 / 60 Hz                                                                                                    |
|                   | Output THDu                           | < 3%                                                                                                          |
|                   | Nominal Output Current                | 27.2 A                                                                                                        |
|                   | Max. Efficiency                       | 97.6 %                                                                                                        |
| PV                | Max. Input Power                      | 9 kWp                                                                                                         |
|                   | Starting Voltage                      | 100 V                                                                                                         |
|                   | Max. Input Voltage                    | 550 V                                                                                                         |
|                   | MPPT Voltage Range                    | 80 ~ 500 V                                                                                                    |
|                   | Full Load MPPT Voltage Range          | 170 ~ 500 V                                                                                                   |
|                   | Max. Input String Per MPPT            | 2                                                                                                             |
|                   | Number of MPPT                        | 2                                                                                                             |
|                   | Nominal Input Voltage                 | 360 V                                                                                                         |
| Battery           | Nominal Voltage                       | 51.2 V                                                                                                        |
|                   | Nominal Capacity                      | 10.44 kWh                                                                                                     |
|                   | Maximum Charging/Discharging Current  | 160 A                                                                                                         |
|                   | Peak Discharge Current                | 200 A @2min 25 °C                                                                                             |
|                   | Maximum Terminal Overcurrent Capacity | 200 A                                                                                                         |
| General Parameter | Altitude                              | 2000 m                                                                                                        |
|                   | Size (W × H × D)                      | 620 × 1650 × 215 mm                                                                                           |
|                   | Weight                                | 145 kg                                                                                                        |
|                   | Cooling Method                        | Intelligent Fan                                                                                               |
|                   | Ingress Protection Grade              | IP55                                                                                                          |
|                   | Operating Temperature Range           | 0 ~ 50 °C                                                                                                     |
|                   | Operating Humidity Range              | 0 ~ 95 %                                                                                                      |
|                   | Cycle Life                            | 8000                                                                                                          |
|                   | Communication Port                    | RS485, CAN, Wi-Fi                                                                                             |
|                   | Safety Certificate                    | CE, UN38.3, IEC 62619                                                                                         |
|                   | Grid Certificate                      | VDE-AR-N 4105, C10-11, 698/G99, CEI 0-21, EN50549, NRS 097-2-1, AS 4777.2, R25, UNE217001, UNE217002, NTS 2.1 |