



# 100kW/200.7kWh

## Photovoltaic And Energy Storage Integrated Cabinet

### Photovoltaic and energy storage integration

- ◆ Supports the integration of photovoltaic, energy storage batteries, grid, and loads. DC busbar connection with energy conversion that is economical and efficient.

### Flexible arrangement

- ◆ Modular design for the entire cabinet, easy to install and maintain; DC/DC, DC/AC, and STS modules can be freely combined to suit different needs.

### Safe and reliable

- ◆ Core modules such as DC/DC, DC/AC, and STS are certified by GB and CE standards.

### Intelligent control

- ◆ Features embedded intelligent control functions including peak shaving and valley filling, load tracking and demand control, global monitoring, seamless grid connection and disconnection, and pure off-grid load handling.

#### DC Parameters

|  |              |
|--|--------------|
| Cell Specifications                        | 3.2V 280Ah   |
| Battery Pack Series/Parallel Configuration | 1P16S        |
| Number of Battery Packs                    | 14           |
| Number of Battery Clusters                 | 1            |
| Rated Operating Voltage                    | 716.8V       |
| Operating Voltage Range                    | 627.2~806.4V |
| Capacity                                   | 200.7kWh     |
| Maximum Charge/Discharge Power             | 0.5C         |

#### AC Parameters

|  |                   |
|--|-------------------|
| Rated Power (kW)                             | 100               |
| Maximum Power (kW)                           | 110               |
| Rated Current (A)                            | 145               |
| Rated Voltage (V)                            | 400               |
| DC Component                                 | ≤0.5%             |
| Harmonic Distortion Rate                     | ≤3% (Full load)   |
| Grid Voltage Range (V)                       | 400V(-20% ~ +15%) |
| Grid Rated Frequency (Hz)                    | 50Hz/60Hz±2.5Hz   |
| Isolation Method                             | None              |
| Power Factor                                 | -0.99 ~ +0.99     |
| Charge/Discharge Conversion Time             | <100ms            |
| Grid Connection/Disconnection Switching Time | <20ms             |

#### Photovoltaic Input

|                                  |         |
|----------------------------------|---------|
| Rated Input Voltage (V)          | 900     |
| Maximum Power (kW)               | 120     |
| MPPT Voltage Range (V)           | 200~900 |
| MPPT Full Load Voltage Range (V) | 300~900 |

#### General Parameters

|                           |  |
|---------------------------|--|
| Protection Level          | IP55   |
| Fire Suppression System   | Supported  |
| Operating Temperature     | -20°C to 50°C                                    |
| Dimensions (W * D * H mm) | 1800 × 1200 × 2000 mm                            |
| Weight (kg)               | 2400 kg  |
| BMS Communication Method  | CAN, RS485                                       |
| PCS Cooling Method        | Intelligent air cooling with temperature control |
| Battery Cooling Method    | Air cooling                                      |
| Altitude                  | 3000m (derating above 2000m)                     |