



Product Advantages

- Uniform Flow Liquid-Cooled + Intelligent Air Cooled
- Better temperature uniformity, the temperature difference of cells in the battery pack is <2.5°C
- Anti-Condensation Design
- Combined Design: The 40-foot combination scheme reduces the floor area by more than 30%.
- Three-level linkage of cell-level gas fire protection + cabin-level gas fire protection + water fire protection
- Combustible Gas Emission + Explosion Venting Design
- Prevent secondary re-ignition in the battery compartment
- Ultimate Safety Design

BESS Specifications

| Cell Type                             | LFP/280Ah  | LFP/320Ah |
|---------------------------------------|--|-----------|
| Nominal Capacity (BOL)                | 3.44MWh  | 3.93MWh   |
| Working Voltage Range                 | 960 ~ 1401.6V  |           |
| Charge and Discharge Rate             | ≤0.5P  |           |
| Operating Ambient Temperature         | -30℃ ~ 55℃   |           |
| Working Environment Relative Humidity | 0 ~ 100% ( No Condensation )   |           |
| Working Altitude                      | ≤4000m   |           |
| Cooling Method                        | Air Cooling + Liquid Cooling   |           |
| Fire Fighting Method                  | Perfluoro Gas Firefighting (Cell Level & Cabin Level) + Backup Water FireFighting +Combustible Gas Emission + Explosion Venting Design |           |
| Communication Interface               | Ethernet/CAN/RS485   |           |
| Communication Protocol                | IEC61850、IEC104/CAN2.0/Modbus  |           |
| Degree of Protection                  | IP55   |           |
| Anti-Corrosion Grade                  | C4   |           |
| Dimensions (W*D*H)                    | 6058*2438*2896mm   |           |
| Weight                                | ~34T   | ~35T      |
| Standards & Certifications            | GB/T36276/IEC62619/UL1973/UL9540A/UN3536   |           |

PACK Specifications

| Model                                 | S1G-LP430                             | S1G-LP490   |
|---------------------------------------|---------------------------------------|-------------|
| Cell Type                             | LFP                                   |             |
| Series and Parallel Mode              | 1P48S                                 |             |
| Nominal Capacity/Energy               | 280Ah/43kWh                           | 320Ah/49kWh |
| Rated Voltage                         | 153.6V                                |             |
| Working Voltage Range                 | 120 ~ 175.2V                          |             |
| Charge and Discharge Rate             | ≤0.5P                                 |             |
| Working Temperature                   | -30℃ ~ 55℃                            |             |
| Working Environment Relative Humidity | 0 ~ 100% ( No Condensation )          |             |
| Working Altitude                      | ≤4000m                                |             |
| Cooling Method                        | Liquid Cooling                        |             |
| Fire Fighting Method                  | Cell-Level Firefighting ( Perfluoro ) |             |
| Communication Interface               | CAN                                   |             |
| Degree of Protection                  | IP67                                  |             |
| Dimensions (W*D*H)                    | 765*1050*245mm                        |             |
| Weight                                | ≤310kg                                | ≤322kg      |
| Standards & Certifications            | GB/T36276、IEC62619、UL1973、UN38.3      |             |

Rack Specifications

| Nominal Energy                        | 344kWh                       | 393kWh |
|---------------------------------------|------------------------------|--------|
| Configuration                         | 1P384S                       |        |
| Rated Voltage                         | 1228.8V                      |        |
| Working Voltage Range                 | 960 ~ 1401.6V                |        |
| Charge and Discharge Rate             | ≤0.5P                        |        |
| Working Temperature                   | -30℃ ~ 55℃                   |        |
| Working Environment Relative Humidity | 0 ~ 100% ( No Condensation ) |        |
| Working Altitude                      | ≤4000m                       |        |
| Cooling Method                        | Liquid Cooling               |        |
| Fire Fighting Method                  | Perfluoro Gas Firefighting   |        |
| Communication Interface               | CAN、Dry Contact              |        |
| Dimensions (W*D*H)                    | 1050*1105*2400mm             |        |
| Weight                                | ≤3.2T                        | ≤3.3T  |
| Standards & Certifications            | GB/T36276、IEC62619           |        |

\* All specifications are subject to change without notice.