

## 3.35MW-6.7MWh

String Type Liquid Cooling Energy Storage System

The 3.35MW-6.7MWh string type liquid-cooling energy storage system focuses on safety with a prefabricated container design that effectively separates the battery compartment from the electrical compartment. At the same time, the system adopts the string connection method to enhance the safety of the overall system. On the power generation side, it can be used in important areas such as energy time shift, system frequency regulation, and grid connection of renewable energy. On the user side, it can provide demand management and improve power quality, bringing users a more stable and efficient energy use experience.

## Product Characteristics

### Scientific Management

- High-quality cell more than 6000 cycle life under standard working conditions
- Efficient thermal management design, active fire protection system

### High Integration

- Non-walk-in/high-integration modular design, 1500V system
- Prefabricated cabin installation solution, reducing on-site installation costs and commissioning time

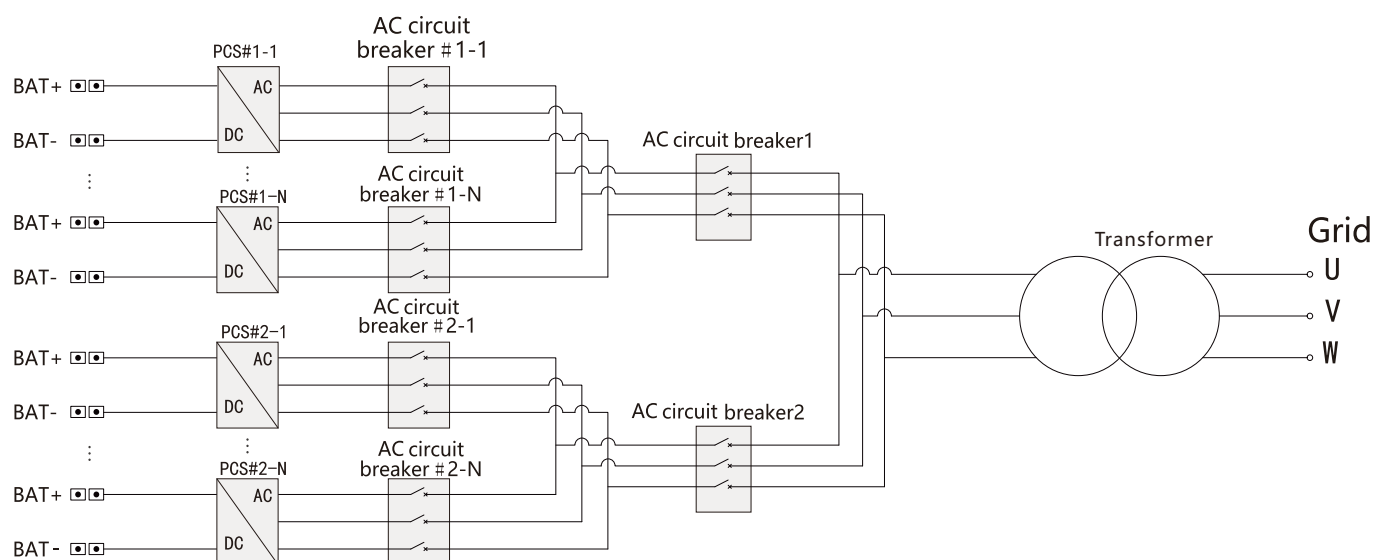
### Intelligent and Efficient

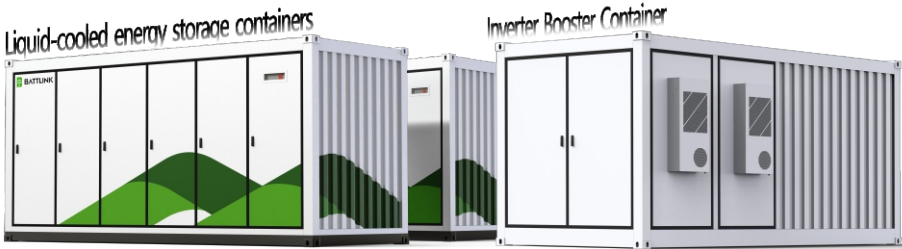
- Active balancing string design, higher charge and discharge efficient
- Cloud-edge collaboration, support for full-scenario monitoring and scheduling, with voltage/reactive power regulation function

### Safe and Reliable

- Using high thermal stability lithium iron phosphate cells
- Prevention-oriented fire protection strategy, using independent fire protection multiple protection functions

## Product Topology





Technical Index

| Battery String Parameter                                      |  | BATT-GS-3350/6700-T                                                                                      |
|---------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|
| Cell Capacity                                                 |  | 280Ah                                                                                                    |
| Battery Module Configuration                                  |  | 1P52S                                                                                                    |
| Battery String Configuration                                  |  | 1P416S                                                                                                   |
| Charge and Discharge Rate                                     |  | 0.5P                                                                                                     |
| Rated Energy                                                  |  | 372.7kWh                                                                                                 |
| Nominal Voltage                                               |  | 1331.2V                                                                                                  |
| Operating Voltage Range                                       |  | 1164.8~1518.4V                                                                                           |
| Weight                                                        |  | 3250kg                                                                                                   |
| Battery Compartment Systems                                   |  |                                                                                                          |
| Rated Energy                                                  |  | 3354kWh                                                                                                  |
| Cooling Method                                                |  | Liquid cooling                                                                                           |
| IP Grade                                                      |  | IP66                                                                                                     |
| Dimensions (L*D*H)                                            |  | 6092*2438*3300mm                                                                                         |
| Fire Protection System                                        |  | PACK-level fire protection + water fire protection + combustible gas detection + explosion relief design |
| Distributed Energy Storage Inverter                           |  |                                                                                                          |
| Rated Power                                                   |  | 186kW                                                                                                    |
| DC Voltage Working Range                                      |  | 1000-1500V                                                                                               |
| AC Voltage                                                    |  | 690V                                                                                                     |
| Rated Current                                                 |  | 139A                                                                                                     |
| Power Factor at Rated Power                                   |  | > 0.99                                                                                                   |
| Maximum Efficiency                                            |  | 99%                                                                                                      |
| Dimensions (L*D*H )                                           |  | 550*250*620mm                                                                                            |
| Weight                                                        |  | 65kg                                                                                                     |
| PCS Integrated Step-Up Transformer System                     |  |                                                                                                          |
| AC Rated Voltage                                              |  | 690V                                                                                                     |
| Configuration                                                 |  | 3348kW (18*186)                                                                                          |
| Maximum Conversion Efficiency at Reactive Power Response Time |  | ≤25ms                                                                                                    |
| Power Response Speed                                          |  | < 20ms                                                                                                   |
| Charge-Discharge Conversion Time                              |  | < 50ms                                                                                                   |
| Dimensions (L*D*H )                                           |  | 6500*2700*3100mm                                                                                         |
| IP Grade                                                      |  | IP66                                                                                                     |