

## 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

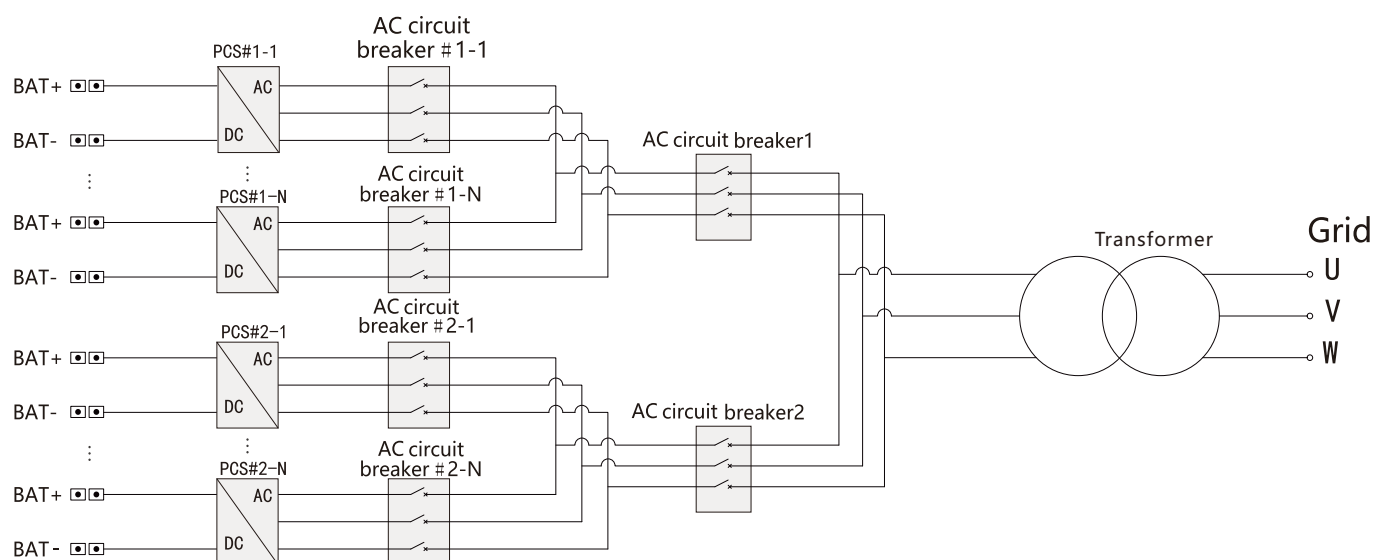
### Intelligent and Efficient

- 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

