



# 215KWH Air Cooling BESS



# Features

## ✓ Easy installation, operation and maintenance

Highly integrated, convenient for transportation, operation and maintenance

Fully pre-assembled, no need for on-site installation of battery modules

Fully functional debugging, meets the requirements for many scenarios with simple configurations available for use

## ✓ Safe and Reliable

Multi-level protection for AC and DC, the system quickly disconnects during anomalies

Fire detection and protection at PACK level and cluster level, effectively managing dual detection in battery and electrical compartments for comprehensive coverage.

## ✓ Flexible Configuration

Supports multiple Ongrid parallel

Supports 3 units in parallel for off-grid

Compatible with diesel generation, wind power, photovoltaic systems, and uninterrupted switching

## ✓ Long Operating Life

Intelligent air cooling with professional airflow design

Smart cooling system prevents heat accumulation

Battery cells operate in an environmentally friendly manner, ensuring charge and discharge power

## ✓ User-Friendly

Intelligence Remote support for strategy adjustments, configuration, and data viewing

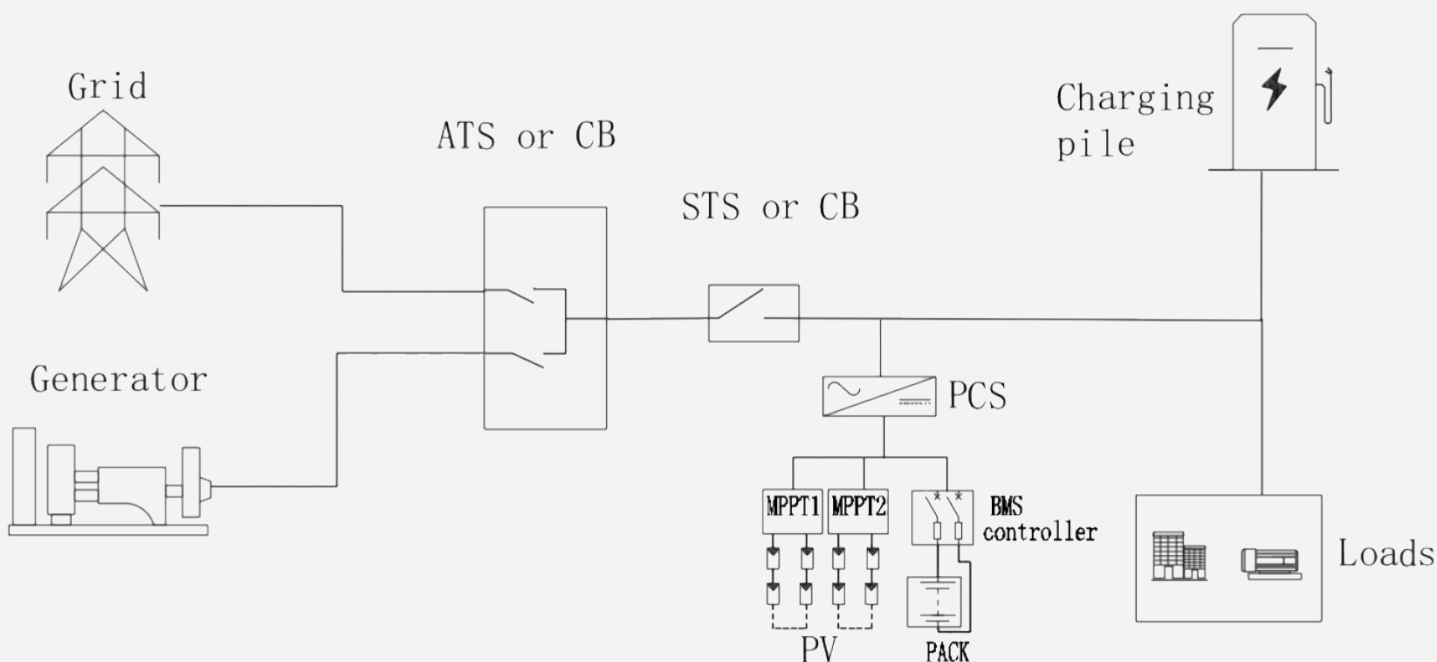
Real-time status monitoring and fault logging, Enables fault warning and location identificatio

Built-in battery performance monitoring and recording capabilities

## ✓ Seamless Switching

Grid and off-grid switching time is less than 20 ms, allowing for uninterrupted load switching

# System chart



# Technical Specification for 2 hours Backup (0.5C)

Model	100kW 197kwh	100kW 215kwh	100kW 232kwh	125kW 252kwh	125kW 261kwh
<b>DC (Battery)</b>					
Cells Type	LiFePO4 Lithium Iron Phosphate				
Cell specification	3.2V280Ah	3.2V280Ah	3.2V280Ah	3.2V304Ah	3.2V314Ah
Configuration of Battery	220S1P	240S1P	260S1P	260S1P	260S1P
Battery Capacity	197kWh	215kWh	232kWh	252kWh	261kWh
Max. Power	100KW	100KW	100KW	100KW	100KW
Max. Current	140A	140A	157A	152A	157A
Battery Rated Voltage	704V	768V	768V	832V	832V
Battery Voltage Range	616V-792V	672V-864V	672V-864V	728V-936V	728V-936V
<b>AC (On / Off Grid)</b>					
Max. Power(kVA)	110KVA			137KVA	
Active Power(kW)	100KW			125KW	
Rated Voltage(V)	400V			400V	
Rated Current(A)	144A			180A	
Voltage Range	320V-460V				
Rated Frequency	50/60Hz				
Range of Frequency	45-55/55-65Hz				
THDI	<3%				
Power factor	1.0(Adjustable from 0.8 leading to 0.8 lagging)				
AC System	3 phase 4 wires				
Overload capability	110%				
<b>Solar Side (PV)</b>					
<b>Optional</b>					
Max. Power	100KW(50KW*2)				
High Voltage side Voltage	560V-1000V				
High Voltage side Current	160A				
Low Voltage side Voltage	500V-900V				
Low Voltage side Current	200A				
<b>Uninterrupted Load (STS)</b>					
<b>Optional</b>					
STS Power	200KW				
STS Voltage	400V 50HZ/60HZ				
Overload Power	110%				
Shift Time	<20mS				
<b>System operation strategy</b>					
Functional	Anti Backflow and Black Start				
Operation Mode Selections	Power peak shaving and valley filling, electricity price peak valley arbitrage, photovoltaic priority for electricity cost savings, wind power generation priority for electricity cost savings, off grid power supply for remote areas				
Scenarios	Photovoltaic and diesel storage project, Wind power and diesel storage project, Wind and photovoltaic diesel storage project, Charging Station + Energy storage project, On-grid electricity selling project				
<b>Specification</b>					
Cabinet Size (W * D * H)	1696*1408*2055mm				
Weight	≤2.7T				
Max. cycle efficiency	≥90%				
Protection	IP55				
Auxiliary Power Supply	Self-powered, Externally powered				
Corrosion resistance rating	C3/C5				
Operating Humidity Range	0%-100%(Non-condensing)				
Operating Temperature Range	-30°C-50°C(>45°Cderating)				
Max. Operation Altitude	2000m				
Battery cabinet cooling method	Intelligent Air Cooling				
Fire safety configuration	Smoke detector, Heat detector, Gas-based fire extinguishing system, Pressure relief valve, Pack-level fire protection, Cluster-level fire protection, Water-based fire protection, Automatic pressure relief				
Communication	Ethernet, 485, CAN				
Communication Protocol	ModbusTCP				
Note: Some spare parts are available. For details, please consult with our sales for further communication.					