

Product Advantages

- Uniform Flow Liquid-Cooled + Intelligent Air Cooled
- Better temperature uniformity, the temperature difference of cells in the battery pack is <math><2.5^{\circ}\text{C}</math>
- 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	$\leq 0.5\text{P}$	
Operating Ambient Temperature	$-30^{\circ}\text{C} \sim 55^{\circ}\text{C}$	
Working Environment Relative Humidity	0 ~ 100% (No Condensation)	
Working Altitude	$\leq 4000\text{m}$	
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	$\leq 0.5\text{P}$	
Working Temperature	$-30^{\circ}\text{C} \sim 55^{\circ}\text{C}$	
Working Environment Relative Humidity	0 ~ 100% (No Condensation)	
Working Altitude	$\leq 4000\text{m}$	
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	$\leq 310\text{kg}$	$\leq 322\text{kg}$
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	$\leq 0.5\text{P}$	
Working Temperature	$-30^{\circ}\text{C} \sim 55^{\circ}\text{C}$	
Working Environment Relative Humidity	0 ~ 100% (No Condensation)	
Working Altitude	$\leq 4000\text{m}$	
Cooling Method	Liquid Cooling	
Fire Fighting Method	Perfluoro Gas Firefighting	
Communication Interface	CAN、Dry Contact	
Dimensions (W*D*H)	1050*1105*2400mm	
Weight	$\leq 3.2\text{T}$	$\leq 3.3\text{T}$
Standards & Certifications	GB/T36276、IEC62619	

* All specifications are subject to change without notice.