S^3-EStation 5MWh Liquid-cooled Battery System

SR12-P4104S1PL314BG

Safe

- Enclosure IP55 & C5
- IEEE693 Standard, applicable to high-intensity seismic regions
- Multi-level disconnections for DC circuit

Smart

- Intelligent temperature control, temperature difference within container <3°C
- PCS, BMS, EMS linkage design, whole process monitoring and management
- Level 5 fire protection system integrated with detection, explosion-proof control, explosion relief and fire extinguishing

Simple

- Modularized design, simplifying deployment
- Battery pre-installation, integrated equipment shipment
- Fast configuration, one-key networking and upgrading



Technical Specification

Product Model	P104S1PL314B（Battery Pack）	
Basic Parameters		
Standard charge/discharge ratio	0.5P	
Combination mode	1P104S	
Rated Energy	104.5kWh	
Nominal Voltage	332.8V(Range: 260V~379.6V)	
Thermal Management mode	Liquid-cooled	
Single PACK Cell Temperature Difference	≤ 2ºC	
Battery Charge/Discharge operating temperature	0ºC ~55ºC /-20ºC ~55ºC	
Storage Temperature	0~35ºC /-40ºC ~55ºC (within 1 month)	
Dimensions (W*H*D)	779×250×2150.5mm	
Weight	690kg	
Storage Humidity	< 95%(no-condensing)	
Maximum Operating Altitude	3000m	
Product Model	**RP4104S1PL314BG（Battery Rack）**	
Basic Parameters		
Standard charge/discharge ratio	0.5P	
Combination mode	1P416S	
Rated Energy	418kWh	
Nominal Voltage	1331.2V(Range: 1040V~1500V)	
Thermal Management mode	Liquid-cooled	
Communication mode	CAN	
Battery Charge/Discharge operating temperature	0ºC ~55ºC /-20ºC ~55ºC	
Storage Temperature	0~35ºC /-40ºC ~55ºC (within 1 month)	
Dimensions (W*H*D)	990×1339×2151mm	
Weight	2900kg	
Storage Humidity	< 95%(no-condensing)	
Maximum Operating Altitude	3000m	
Product Model	**SR12-P4104S1PL314BG-A2（Battery System）**	**SR12-P4104S1PL314BG-B1（Battery System）**
Basic Parameters		
Standard charge/discharge ratio	0.5P	0.25P
Combination mode	12P416S	
Rated Energy	5015 kWh	
Nominal Voltage	1331.2V (range: 1040V~1500V)	
Thermal Management mode	Liquid-cooled	
Fire-fighting systems (battery containers)	Hot aerosol	
IP rating	IP55	
Communication mode	CAN/RS485/LAN	
Battery Charge/Discharge operating temperature	0ºC ~55ºC /-20ºC ~55ºC	
Storage Temperature	0~35ºC /-40ºC ~55ºC (within 1 month)	
Dimensions (W*H*D)	6058×2896×2438mm	
Weight	≤ 44.5T	
Storage Humidity	< 95% (no-condensing)	
Maximum Operating Altitude	3000m	

* Reference only, subject to project product drawings

The specifications are subject to change without prior notice.