5MWh Energy Storage System

5MWh-315-1P

High-Rate Application | Thermal Management | Easy to Install and Maintain



High-Rate Application

- 1P rated operation, meeting all utility application scenarios' demands.
- The system has been upgraded to the 315Ah-1P, based on stacking technology.

Thermal Management

- Stacking cell technology ensures lower internal resistance and auxiliary power consumption.

Easy to Install and Maintain

- Standard 20-ft container design, flexible to sea freight.
- Assembly and commission in factory, ready for grid-connection commissioning upon delivery.

Product Parameter

Cell

Item	Specification
Cell Model	LF315H
Nominal Capacity	315Ah
Dimension (D*W*H)	71.7*173.7*207.2mm
Weight	5700g ± 300g
Energy Density	176.8Wh/kg
Rated Voltage	3.2V
Voltage Range	2.5V~3.65V
Operating Temperature	Charge: 0~60°C Discharge: -30~60°C

Module

Item	Specification
Pack Model	PI31H01
Dimension (D*W*H)	2210*780*250mm
Weight	700 ± 5kg
Configuration	1P104S
Rated Energy	104.8kWh
Voltage Range	260V~374.4V
Rated Voltage	332.8V
Standard Charging and Discharging Rate	1P
Thermal Management	Liquid Cooling
Charging Operating Temperature	0°C~55°C
Discharging Operating Temperature	-20°C~55°C
Level of Protection	IP67

System

Item	Specification
System Model	S531H101
Dimension (D*W*H)	2438*6058*2896mm
Weight	~43t
Configuration	1P416S*12
Rated Energy	5031 kWh
Voltage Range	1040V~1497.6V
Anti-corrosion Grade	C3H
Standard Charging and Discharging Rate	1P
Thermal Management	Liquid Cooling
Operating Temperature	-30°C~55°C
Relative Humidity	≤95%RH (Relative Humidity)
Level of Protection	IP55