6.9MWh Energy Storage System

6.9MWh-648Ah-0.5P

Precise Firefighting | Efficient Thermal Management | Easy to Install and Maintain



Stable Performance

- Low internal resistance supports high energy efficiency and stable charge and discharge performance.
- Automated production processes ensure consistent cell quality and reliable performance

Enhanced Safety

- Robust cell structure improves thermal stability and mechanical durability.
- Advanced safety design helps reduce the risks of leakage, overheating, and internal short circuits.

Long Service Life

- Optimized material and cell design provide excellent cycle performance and long-term reliability.
- High capacity retention supports continuous operation throughout the product life cycle.

Product Parameter

Cell

Item	Specification
Cell Model	LF648K
Nominal Capacity	648Ah
Dimension (D*W*H)	71.7* 352*206 mm
Weight	11500g±300g
Energy Density	180Wh/kg
Rated Energy	2073.6Wh
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	P264H202
Dimension (D*W*H)	2225.5*1535*258.7mm
Weight	1500±30kg
Configuration	1P104S
Rated Energy	215.6kWh
Voltage Range	291.2v~374.4v
Rated Voltage	332.8v
Standard Charging and Discharging Rate	0.5P
Thermal Management	Liquid Cooling
Charging Operating Temperature	0°C~55°C
Discharging Operating Temperature	-30°C~55°C
Level of Protection	IP67

System

Item	Specification
System Model	S6900
Dimension (D*W*H)	2438*6860*3420 mm
Weight	~60t
Configuration	8*1P416S
Rated Energy	6.9MWh
Voltage Range	1164.8v~1497.6v
Anti-corrosion Grade	C5M
Standard Charging and Discharging Rate	≤0.5P
Thermal Management	Liquid Cooling
Operating Temperature	-30°C~55°C
Relative Humidity	<95% (No Condensation)
Level of Protection	IP55