3.44MWh Energy Storage System

3.44MWh–280–1P

Thermal Management | Active Balancing | Electrical Protection | Easy to Install and Maintain



Active Balancing

- Full-time balancing enhances system stability and cell consistency.
- Balancing current improves energy utilization efficiently.

Electrical Protection

- 1500V DC full-voltage protection across 5 levels.
- PACK-level full-voltage fuse protection, without voltage division risks.
- System-wide fault current protection.

Easy to Install and Maintain

- Standard 20HC container ≤36t, flexible to sea freight.
- Assembly and commission in factory, ready for grid-connection commissioning upon delivery.

Product Parameter

Cell

Item	Specification
Cell Model	MB28-1P
Nominal Capacity	280Ah
Dimension (D*W*H)	71.7*173.7*207.2mm
Weight	5490g ± 300g
Energy Density	163.2Wh/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	P428H103
Dimension (D*W*H)	1076*804*244mm
Weight	330 ± 3kg
Configuration	1P48S
Rated Energy	43kWh
Voltage Range	120V~175.2V
Rated Voltage	153.6V
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	S328H102
Dimension (D*W*H)	2438*6058*2896mm
Weight	~36t
Configuration	10*1P384S
Rated Energy	3440 kWh
Voltage Range	960~1401.6V
Anti-corrosion Grade	C3H
Standard Charging and Discharging Rate	1P/3440kW
Thermal Management	Liquid Cooling
Operating Temperature	-30~55°C
Relative Humidity	≤95%RH
Level of Protection	IP55