

LV Liquid-Cooled Outdoor ESS

MAXHUB



EC100K215LB



Ultimate safety

- Big data security prediction, prevention oriented.
- Pack level detection and fire protection, combined with three-level fire protection.
- Smoke exhaust and explosion-proof design to ensure system safety.



High yield

- Ultimate compact volume, covering an area of 1.3m².
- Liquid cooling system with an efficiency over 90%.
- Self-learning optimal control strategy.



Efficient O&M

- Full front maintenance of core components.
- Automatic fault location, supporting remote upgrades.
- Modular design for easy troubleshooting and maintenance.



Multi applications

- Flexible parallel expansion to 2MWh.
- Integrated prefabrication, convenient installation.
- Multi functional applications for demand, anti reverse flow and peak shifting.

Specifications

Model	EC100K215LB
Battery	
Battery Type	LFP 3.2V/280Ah
Battery System Configuration	1P240S
Voltage Range	672~864V
Rated Capacity	215.04kWh
AC Input	
Rated Power	100kW
Overload Capacity	110% long-term
Rated Voltage	400V
Voltage Range	0.85Un~1.1Un
Frequency Range	50/60±5Hz
Grid Connection	3P3W+PE
Power Factor	-1~1
System Parameter	
System Max. Efficiency	90%
Charge/Discharge Rate	0.5C
DoD	90%DoD
Cycle Life	5500
Working Temperature Range	-30°C~50°C
Altitude	4000m (2000m derating)
Temperature Control	Liquid cooling and forced air cooling
Communication	Modbus TCP
Fire Protection	Perfluorohexane and water fire protection
Noise	< 65dB
Protection Level	Unit IP54 (PCS IP66)
Dimension	W1000mm*D1300mm*H2330mm
Weight	2.6t
Protection	
Insulation Resistance Detection	Yes
Output Short Circuit Protection	Yes
Surge Protection	Yes
Battery Reverse Polarity Protection	Yes

System Diagram

