EU - Box100

Specification

Product Introduction

The product of EU-Box100 is a power storage system specially designed for regional microgrids such as small CBDs, farms, islands, outdoor photovoltaic power stations, etc., which can fully guarantee the power demand and energy security in these scenarios.

Product Features

Easy Installation and Maintenance
- Modular design simplifies setup and ensures effortless maintenance.

Applications
- Ideal for regional microgrids, small commercial districts, farms, islands, and outdoor photovoltaic power stations, ensuring reliable energy security.

High Safety Standards
- Integrated smoke sensor and fire-fighting system provide robust fire and heat resistance.

Flexible and Scalable Capacity
- Supports parallel configurations for a maximum storage capacity, making it ideal for scalable energy requirements.

Rugged Design for Harsh Environments
- IP54 protection rating with a C4 anti-corrosion grade.
- Operates in temperatures ranging from -20°C to 50°C and humidity levels of 0–95%.
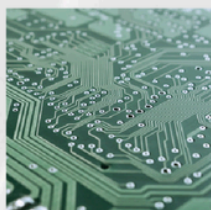
Industry Compliance
- Ideal for regional microgrids, small commercial districts, farms, islands, and outdoor photovoltaic power stations, ensuring reliable energy security.

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Easy installation & maintenance

Outdoor housing for any installation site, easy maintenance due to modular design (Battery modules, BMS, PCS control design).

Real-time monitoring & control

7*24h real-time monitoring and control, Intelligent BMS, more precise SOC.

LFP cell & system safety design

Cabinet integrated with smoke sensor and fire fighting system, fireproof and high-temperature resistant cabinet.

Flexible and expandable

Parallel Max. up to 2.15MWh capacity battery

Specification

Model	EU-Box100			
	50KWh	**70KWh**	**80KWh**	**100KWh**
Battery Parameter				
Cell Type	LFP			
Battery Moudule Nominal Voltage	51.2V			
Battery Module Energy (Wh)	5120			
Rated Voltage (V)	512	716.8	409.6	512
Voltage Range (V)	448-576	627.2-806.4	358.4-460.8	448-576
Rated Capacity (Ah)	100		200	
Recommend Charge/Discharge Current (A)	50/50		100/100	
Rated Energy (kWh)	51.2	71.68	81.92	102.4
Max. Continuous Charge/ Discharge Current (A)	100/100		200/200	
General Parameter				
Dimension(W*D*H) (mm)	1200*900*2060			
IP Rating	IP55			
Anticorrosion Grade	StandardC4			
Total Weight (kg)	760	940	1070	1230
Cooling Mode	HVAC			
Fire Fighting	Integrated			
Operating Temperature ( )	-20- 50			
Operating Humidity	0%-95%R.H			
Communication Port	CAN, RS485, ETH			
Parallel	Max. 3 cabinets		Max. 2 cabinets	
Compliance				
Safety & Certification	IEC62619, CE, EMC, UN38.3, UN3480			