



EnerBox100R

HIGH VOLTAGE Battery System

Supports maximum 5 battery clusters in parallel, up to 500kWh

The battery energy storage system consists of a rack, a high-voltage control box, and battery box.

1. Adopting a standard 19 inch rack design and modular design;
2. Integrated communication interface, CAN2and RS485 communicate with Inverter;
3. Standard pack, easily for installation, rapid deployment and capacity expansion.
4. BMS provides complete management and protection for the battery.
5. Voltage warning and protection for module and each single cell.
6. Current warning and protection, and the maximum operating current can be customized.
7. Temperature warning and protection.
8. Battery module SOC and SOH calculation, display the accurate battery status.
9. Supports maximum 10 battery clusters in parallel, up to 500kWh

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System Parameters

Model	EnerBox100R
Battery module	
Module Voltage	51.2V
Rated capacity	280Ah
Pack	1P16S
BMU inside	1set
Balance	Active balancing
Dimension(W*D*H)	450*750*231mm
Weight	~110KG
Cooling mode	Air cooling
Power Terminal	M8 Screw
High-Voltage Box	
Rated Voltage	DC1000V
Rated Current	140A
Maximum Current	200A
SOC Accuracy	<5%
IP Rating	IP20
Cooling mode	Natural Air Cooling
Battery Energy Storage System	
Cell Type	LFP/3.2V/280Ah
Battery Module Nominal Voltage	51.2V
Battery Module Energy	14.336kWh
Rated Voltage	358.4V
Voltage Range	313.6-403.2V
Recommend Charge/Discharge Current	140/140A
Rated Energy	100.35kWh
MAX. Charge/Discharge Current	160/160A
Operating Temperature	-20- 55°C
Operating Humidity	5%-95%R.H
Cooling Mode	FAN
Fire alarm equipment	Smoke
Dimension(W*D*H)	800*950*2116mm
IP Rating	IP20
Anticorrosion grade	C3
Weight	1.4T
Anti-corrosion Grade	Standard C3
Communication port	CAN, RS485, ETH
Parallel	MAX. 5 cabinets
Compliance	IEC62619、CE、CE-EMC、UN38.3、MSDS