



EnerBox200R

HIGH VOLTAGE Battery System

Supports maximum 10 battery clusters in parallel, up to 2000kWh

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 2000kWh

System Parameters

Model	EnerBox200R							
Battery Parameter								
Battery Capacity	114.68kWh	129kWh	143.36kWh	157.69kWh	172kWh	186.36kWh	200kWh	215kWh
Number of Models	8	9	10	11	12	13	14	15
Rated Voltage	409.6V	460.8V	512V	563.2V	614.4V	665.6V	716.8V	768V
Voltage Range	358.4V-460.8V	403.2V-518.4V	448V-576V	492.8V-633.6V	537.6V-691.2V	582.4V-748.8V	627.2V-784V	672V-864V
Battery System Configuration	1P128S	1P144S	1P160S	1P176S	1P192S	1P208S	1P224S	1P240S
Weight	1.3T	1.4T	1.5T	1.6T	1.7T	1.8T	1.9T	2T
Recommend Discharge current	140A	140A	140A	140A	140A	140A	140A	140A
Charge and Discharge rate	≤0.5P							
Cooling Mode	Air cooling/ Fan							
Battery module								
Module Voltage	51.2V							
Rated capacity	280Ah							
Pack	1P16S							
Battery Module Energy	14.336 kWh							
BMU inside	1set							
Cycle life	> 6000 (@25 °C , 0.5C/0.5C,80%DOD)							
Dimension(W*D*H)	450mm*750mm*231mm							
Weight	~110KG							
Cooling mode	Air cooling							
Power Terminal	M8 Screw							
General Parameter								
System Efficiency	≥ 94%							
Operating Temperature Range	-20°C ~ 50°C							
Operating Humidity	5%~95%R.H							
IP Rating	IP20							
Anticorrosion Grade	Standard C3							
Altitude	<3000m							
Dimension(W*D*H)	1060mm*950mm*2120mm							
Firefighting System	Smoke Detector							
Communication Port	CAN, RS485, ETH							
Compliance	IEC62619、CE、CE-EMC、UN38.3、MSDS							
Parallel	MAX. 10 Cabinets							
Compatible PCS brand	LuxPower, DEYE, Solinteg, Solis							