



EU-BOX 200R

Energy Storage System

Commercial & Industrial Needs



INTRODUCTION

01 PART ONE
PRODUCT ADVANTAGE

02 PART TWO
SPECIFICATIONS

03 PART THREE
EXPLODED
VIEW

04 PART FOUR
PRODUCT DETAIL

05 PART FIVE
Packing List

06 PART SIX
Battery Specification



01 PART ONE PRODUCT ADVANTAGE



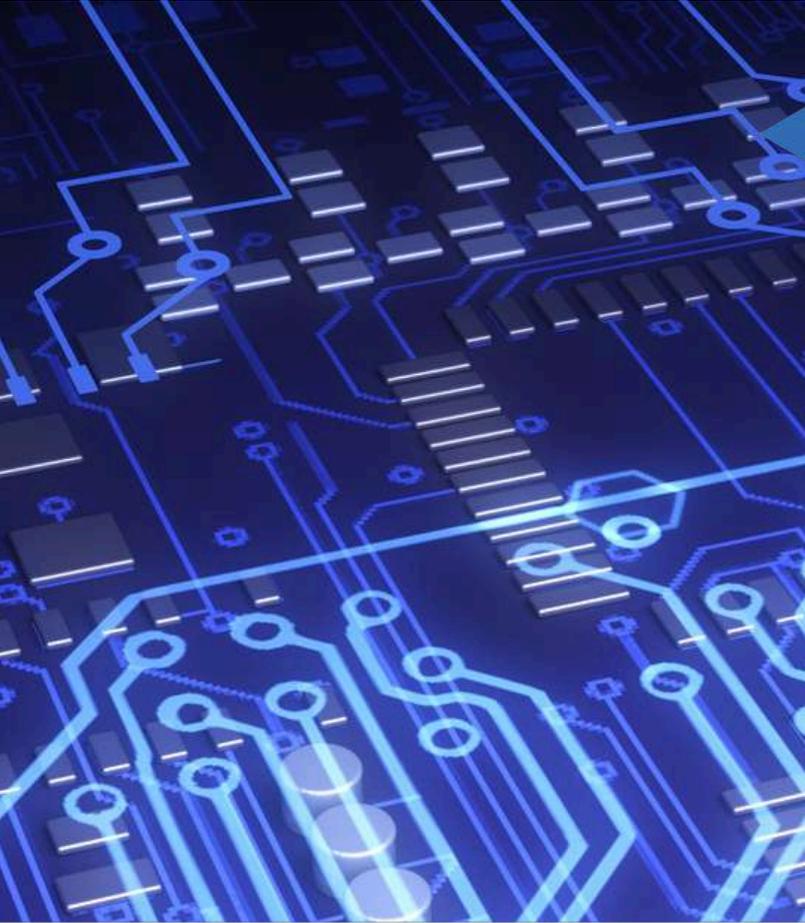
Product Advantage

The EU-Box-200R is a Lithium Iron Phosphate (LiFePO₄) battery designed for energy storage systems. It features a modular design consisting of a high-voltage control box and a battery box. The system offers significant advantages in safety, cycle life, energy density, fast charging, and environmental protection.

High Performance: Packed with high-performance LFP (Lithium Iron Phosphate) single cells, offering long life, safety, and a wide temperature range.

Environmental Compliance: Complies with IEC62619, CE, CE-EMC, UN38.3, and MSDS standards.





Integrated Communication:

Features CAN2 and RS485 communication interfaces for seamless integration with inverters.

Battery Management System (BMS):

High-precision BMS for efficient operation, providing complete management & protection for the battery.



Integrated Firefighting System
 Ensures safety in critical environments like data centers, where fire hazards can lead to catastrophic data loss.

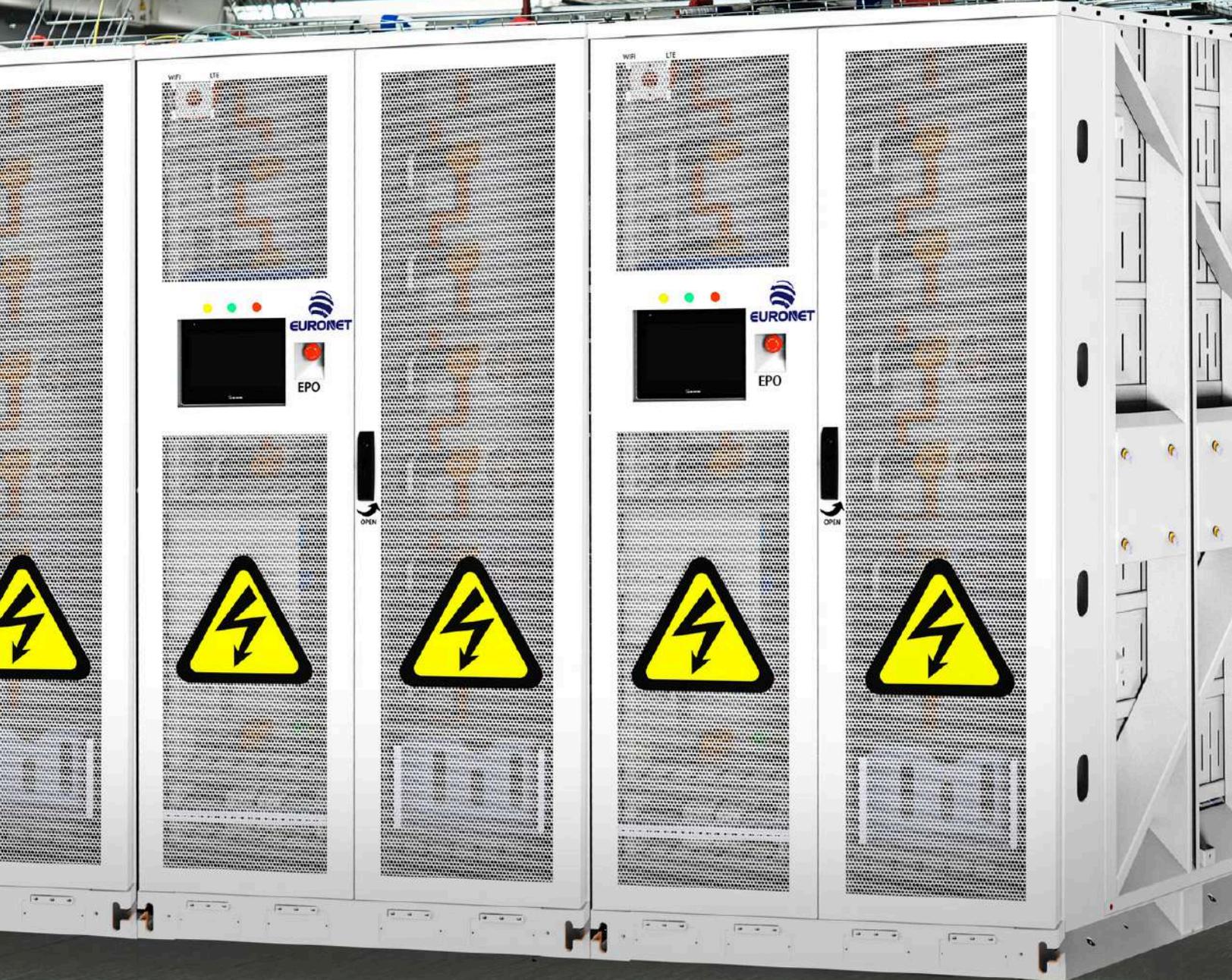


Uninterrupted Power Supply (UPS):
 The EU-Box200R ensures a reliable power backup for data centers and call centers, preventing downtime and data loss during power outages.

Product Advantage

EU-BOX-200R

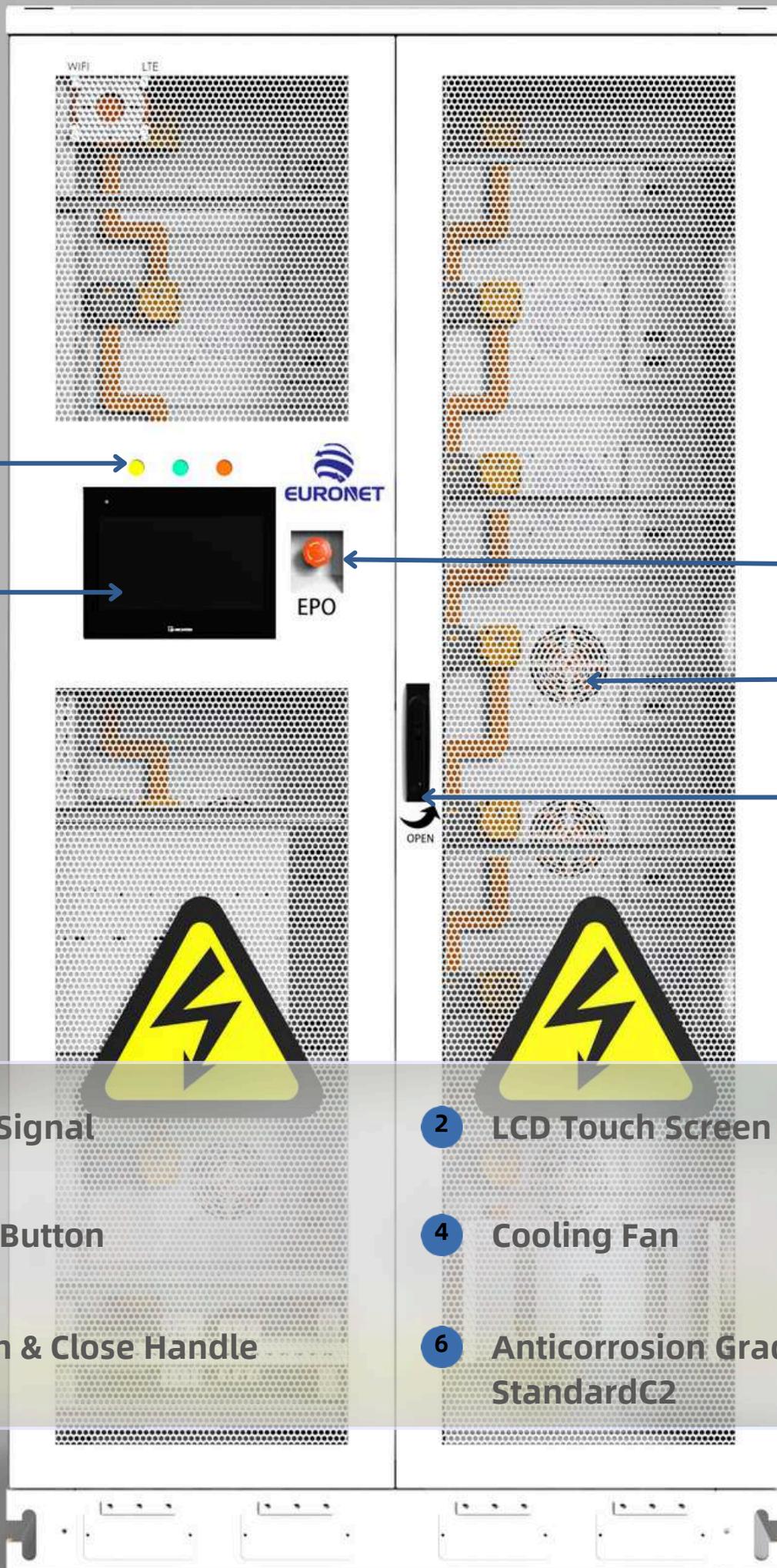
Energy Storage System



02 PART TWO SPECIFICATION

Battery Energy Storage System

Model	EU-Box-200R
Cell Type	LFP
Battery Module Nominal Voltage	51.2V 1
Battery Module Energy	4.336kWh
Rated Voltage	716.8V
Voltage Range	627.2-806.4V
Rated Capacity	280Ah
Recommend Charge/Discharge Current	140/140A
Rated Energy	200.7kWh 1
MAX. Continuous Charge/Discharge Current	60/160A
Operating Temperature	-20- 50°C
Operating Humidity	5%-95%R.H
Cooling Mode	Natural cooling
Firefighting System	Integrated
Dimension(W*D*H)	1050*1310*2340mm
IP Rating	IP20
Weight	2300kg
Anticorrosion Grade	StandardC2
Communication port	CAN, RS485, ETH
Parallel	MAX. 10 cabinets
Compliance	IEC62619,CE、 CE-EMC、 UN38.3、 MSDS



1 LED Signal

3 EPO Button

5 Open & Close Handle

2 LCD Touch Screen (HMI)

4 Cooling Fan

6 Anticorrosion Grade Standard C2

High Performance

Packed with high-performance LFP single cell, long life, safety, and wide temperature range.



LCD

Display the accurate battery status.



Parallel Support

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

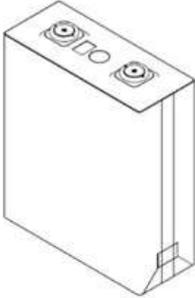
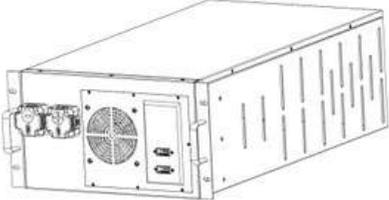
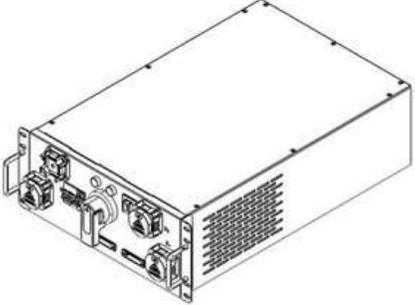


Packing List

No.	Item	Specification	Number	Remarks
1	LiFePO4 battery pack	51.2V/280Ah battery pack	14	
2	BMM	ZT16S Battery management unit	14	Integrated in the battery pack
3	High voltage box	High voltage box includes BCM	1	
4	HMI	LCD touch screen	1	Integrated on the HVB
5	Power cable	Power cable between battery racks and CBMS	1set	
6	Communication cable	Communication cable between battery module and BMU	1set	
7	User manual	User manual	1	



Battery parameter

Single cell	Cell Type	LiFePO4 Aluminum shell	
	Rated	3.2V/280Ah	
	Operating voltage range	2.8~3.6V	
	Dimension (T*W*H)	47.8*173.9*132.6mm	
	Weight	5.55±0.28kg	
	Rated Charging/ Discharging rate(Max)	0.5C	
	Impedance(1kHz)	≤0.2mΩ	
Battery module	Module Voltage	51.2V	
	Rated capacity	280Ah	
	Pack	1P16S	
	BMU inside	1set	
	Dimension (W*D*H)	1160*780*245mm	
	Weight	\	
	Cooling mode	Air cooling	
	Power Terminal	Plug-in type	
High-Voltage Box	Protection	Relays, fuses, and MCB	
	Balance	Passive Balancing	
	SOC Accuracy	<5%	
	Dimension (W*D*H)	442*730*180mm	
	Weight	23kg	
	Power Terminal	screw fixing	