EU-BOX100 SERIES

EURONET OUTDOOR BATTERY STORAGE – 50 · 70 · 80 · 100kWh

Outdoor LFP Battery Cabinets | Microgrid Storage | 4 Capacities



RATED ENERGY	RATED VOLTAGE
51.2–102.4 kWh	409.6–716.8 V
RATED CAPACITY	**IP RATING**
100Ah / 200Ah	IP55
ANTICORROSION	**PARALLEL CABINETS**
Standard C4	Up to 3

OVERVIEW

The EURONET EU-Box100 series is a compact outdoor lithium iron phosphate (LFP) battery storage cabinet for regional microgrids such as small commercial districts, farms, islands and outdoor photovoltaic power stations. It comes in four capacities: 51.2kWh, 71.68kWh, 81.92kWh and 102.4kWh, built from 51.2V LFP modules and managed by an intelligent BMS with HVAC cooling. Every version shares the same 1200 × 900 × 2060mm IP55, C4 anti-corrosion cabinet with an integrated smoke sensor and firefighting system, and operates from -20°C to 50°C.

KEY FEATURES

Four Capacities, One Cabinet
51.2, 71.68, 81.92 or 102.4kWh in the same 1200 × 900 × 2060mm outdoor cabinet

Outdoor-Ready Cabinet
IP55 housing with Standard C4 anticorrosion grade, rated for -20°C to 50°C and 0%–95% R.H. humidity

Integrated Fire Safety
Smoke sensor and firefighting system built in, in a fireproof, high-temperature resistant cabinet

Real-Time Monitoring
7*24h monitoring and control with an intelligent BMS for more precise SOC, via CAN, RS485 and ETH

Modular, Easy Maintenance
Modular design of battery modules, BMS and control simplifies installation and everyday maintenance

Expandable in Parallel
Up to 3 cabinets in parallel (50 and 70kWh) or up to 2 cabinets (80 and 100kWh)

TECHNICAL NOTE

Four versions: 50kWh (51.2kWh, 512V, 100Ah, 760kg), 70kWh (71.68kWh, 716.8V, 100Ah, 940kg), 80kWh (81.92kWh, 409.6V, 200Ah, 1070kg), 100kWh (102.4kWh, 512V, 200Ah, 1230kg). LFP modules 51.2V. HVAC cooling, integrated firefighting, IP55, Standard C4. -20–50°C, 0%–95% R.H. 1200 × 900 × 2060mm. CAN, RS485, ETH. IEC62619, CE, EMC, UN38.3, UN3480. Full per-model values on page 2.

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EU-BOX100 SERIES

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	50kWh	70kWh	80kWh	100kWh
GENERAL				
Model	EU-Box100			
Capacity Version	50kWh	70kWh	80kWh	100kWh
Cell Type	LFP			
Installation	Outdoor cabinet			
Application	Microgrids, farms, islands, PV plants			
BATTERY PARAMETERS				
Module Nominal Voltage	51.2 V			
Module Energy	5120 Wh	5120 Wh	Not available	Not available
Rated Voltage	512 V	716.8 V	409.6 V	512 V
Voltage Range	448–576 V	627.2–806.4 V	358.4–460.8 V	448–576 V
Rated Capacity	100 Ah	100 Ah	200 Ah	200 Ah
Rated Energy	51.2 kWh	71.68 kWh	81.92 kWh	102.4 kWh
Recommended Charge / Discharge	50 / 50 A	50 / 50 A	100 / 100 A	100 / 100 A
Max. Continuous Charge / Discharge	100 / 100 A	100 / 100 A	200 / 200 A	200 / 200 A
Cycle Life	Not available			
COMMUNICATION & EXPANSION				
Communication Ports	CAN, RS485, ETH			
Parallel	Max. 3 cabinets	Max. 3 cabinets	Max. 2 cabinets	Max. 2 cabinets
Monitoring	7*24h real-time, intelligent BMS			
GENERAL PARAMETERS				
Dimensions (W × D × H)	1200 × 900 × 2060 mm			
Total Weight	760 kg	940 kg	1070 kg	1230 kg
IP Rating	IP55			
Anticorrosion Grade	Standard C4			
Cooling Mode	HVAC			
Fire Fighting	Integrated · smoke sensor			
Operating Temperature	-20–50°C			
Operating Humidity	0%–95% R.H.			
COMPLIANCE				
Safety & Certification	IEC62619, CE, EMC, UN38.3, UN3480			
CELL				
Cell Specification	Not available			

**Specifications are subject to change without prior notice.*

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