EU-Block200-HF

EURONET HV OUTDOOR ESS – 100kW 215.04kWh

All-in-One Outdoor ESS with PCS | On-Grid & Off-Grid



BATTERY CAPACITY (BOL) **215.04 kWh**	RATED POWER **100 kW**
RATED VOLTAGE **768 V**	SYSTEM EFFICIENCY **≥85%**
IP RATING **IP54**	PARALLEL SYSTEMS **Up to 10**

OVERVIEW

The EURONET EU-Block200-HF is an all-in-one outdoor energy storage system that combines a 215.04kWh lithium iron phosphate (LFP) battery with a 100kW power conversion system for on-grid and off-grid operation. It is designed for regional microgrids such as small commercial districts, farms, islands and outdoor PV power stations. The IP54, C4 anti-corrosion cabinet integrates HVAC cooling, a smoke sensor and firefighting system, reaches ≥85% system efficiency, and up to 10 units can be paralleled for 2150kWh.

KEY FEATURES

Battery and PCS in One Cabinet
215.04kWh LFP battery at 768V with a built-in 100kW PCS, in a 1800 × 1100 × 2340mm outdoor cabinet

100kW On-Grid & Off-Grid
100kW rated charge/discharge power on-grid (3W+N+PE) and in off-grid mode at AC400V, 50/60Hz rated output

Clean Power Quality
Grid current THDi <3%; off-grid voltage THDu ≤1% for linear loads and ≤5% for nonlinear loads

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

Rugged Outdoor Design
IP54 with Standard C4 anticorrosion and HVAC cooling, for -20–50°C, 0%–95% humidity and <2000m altitude

Scalable to 2150kWh
Up to 10 systems in parallel, with 7*24h monitoring via intelligent BMS and CAN, RS485, ETH ports

TECHNICAL NOTE

Battery capacity (BOL) 215.04kWh; rated voltage 768V (range 720–840V); LFP modules 51.2V / 14.336kWh. PCS 100kW on-grid (AC320–460V, 45–55/55–65Hz, 140A, THDi <3%) and off-grid (AC400V, 50/60Hz). Max. rate 0.5C/0.5P, system efficiency ≥85%. HVAC cooling, IP54, Standard C4, -20–50°C, <2000m, ≤75dB. 1800 × 1100 × 2340mm. Max. 10 in parallel.

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EU-Block200-HF

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	EU-Block200-HF
Cell Type	LFP
Installation	Outdoor cabinet
Application	Microgrids, farms, islands, PV plants
BATTERY PARAMETERS	
Module Nominal Voltage	51.2 V
Module Energy	14.336 kWh
Rated Voltage	768 V
Voltage Range	720–840 V
Battery Capacity (BOL)	215.04 kWh
Max. Charging / Discharging Rate	0.5C / 0.5P
Cycle Life	Not available
AC ON-GRID PARAMETERS	
Grid Type	3W+N+PE
Rated Charge / Discharge Power	100 kW
Rated Grid Voltage	AC320–460 V
Applicable Grid Frequency	45–55 / 55–65 Hz
Rated Current	140 A
THDi	<3%
AC OFF-GRID PARAMETERS	
Rated Charge / Discharge Power	100 kW
Rated Voltage	AC400 V
Rated Frequency	50/60 Hz
THDu	≤1% linear · ≤5% nonlinear

PARAMETER	SPECIFICATIONS
GENERAL PARAMETERS	
Dimensions (W × D × H)	1800 × 1100 × 2340 mm
Weight	Not available
IP Rating	IP54
Anticorrosion Grade	Standard C4
Operating Temperature	-20–50°C
Operating Humidity	0%–95% R.H.
Altitude	<2000 m
Cooling Method	HVAC
Noise	≤75 dB
System Efficiency	≥85%
Firefighting System	Integrated · smoke sensor
COMMUNICATION & EXPANSION	
Communication Ports	CAN, RS485, ETH
Parallel	Up to 10 · max. 2150kWh
Monitoring	7*24h real-time, intelligent BMS
COMPLIANCE	
Battery	IEC62619, CE, EMC, UN38.3, UN3480
PCS	IEC/EN 62109-1/-2, IEC/EN 62477-1/-2, IEC/EN 61000-6-1/2/3/4, IEC 60068-2

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

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