

X-Series

AC Cabinet

250+ kWh

Liquid-cooled battery energy storage system for C&I-scale applications

Enhanced Capacity

- Based on prismatic LFP cells 314 Ah with high cyclic lifetime
- Dynamic ventilation, auxiliary water sprinkler setup, and integrated fire suppression system
- Aerogel insulation, heat-resistant enclosures, and deflagration mitigation features
- Ultra-wide operating temperature range

Safety Characteristics

- Well-equipped with smoke, gas and heat detection instruments
- AI-based fault detection; gas, smoke and heat detection
- Superior thermal control boosts energy output by maintaining ideal temperatures

Adjustable

- Space saving configuration: compact design with integrated PCS
- Optimal energy capacity solutions for power plants, enabled by our advanced system sizing tool

BATTERY CONFIGURATION	
Cell Capacity	LFP ESS 314 Ah
Pack Configuration	1P52S
Rack Configuration	1P260S
Rack No.	1
Battery Pack No.	5
Cooling Method	Liquid Cooling
BMS Communication	CAN, RS485, Ethernet

ELECTRICAL	
Nominal Voltage	832 V
Operating Voltage	715 V ... 923 V
Nominal Energy	261 kWh ^{1,2}
Nominal Charge/Discharge Rate	0,5 P / 0,5 P
Round Trip Efficiency	> 94 %

AC PARAMETERS	
Nominal Voltage	400 Vac, 3 Phase+N+PE
Nominal Frequency	50Hz
Nominal Power	125 kW
Maximum Power	137 kW
Nominal Output Current	180 A
Maximum Output Current	200 A
Communication Interface	CAN/RS485

MECHANICAL	
Dimensions (W × D × H)	1,000 × 1,350 × 2,380 mm
Weight	≤ 2,700 kg
Protection Level	IP 55

AMBIENT	
Application Altitude	≤ 4,000 m
Application Temperature	-30 °C ... 55 °C
Storage Temperature	-20 °C ... 35 °C

PRODUCT CERTIFICATIONS	
IEC 62619, IEC 62477, IEC 63056, IEC 61000, UL 1973, IEC 62933-5-2, UL 9540A, NFPA 855, NFPA 68, NFPA 69, NFPA 70E, NFPA 72, UN 38.3	

ENVIRONMENTAL	
Compliance	ROHS, REACH, Cobalt Free
Battery Regulation (EU)	2023/1542

¹ 0,5 P / 0,5 P
² 25°C (+/- 2,0)

The X Factor of Energy

