X-Series DC Container 5+ MWh

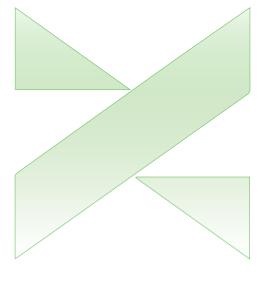


Improved Safety Characteristics

- Built-in prevention: premium-grade cells, sophisticated battery management system, and comprehensive system-level safeguards
- Al-based fault detection; gas, smoke and heat detection
- 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

Optimized Solution

- Flexible multi-system topology options, delivering the ideal solution for various application scenarios starting from power generation
- Optimal energy capacity solutions for power plants, enabled by our advanced system sizing tool
- Space saving configuration: compact design with side-by-side and back-to-back layout
- Engineered for durability in extreme and demanding environments
- Grid-forming scenarios



BATTERY CONFIGURATION	6R	12R
Cell Capacity	LFP ESS	314 Ah
Pack Configuration	2P52S	1P104S
Rack Configuration	2P416S	1P416S
Rack No.	6	12
Battery Pack No.	48	
Cooling Method	Liquid Cooling	
BMS Communication	CAN, RS485, Ethernet	

ELECTRICAL	
Nominal Voltage	1,331 V
Operating Voltage	1,040 1,498 V
Nominal Energy	5,016 kWh ^{1,2}
Nominal Charge/Discharge Rate	0.5 P / 0.5 P
Round Trip Efficiency	> 94 %

MECHANICAL	
Dimensions (W × D × H)	6,058 × 2,438 × 2,896 mm
Weight	< 40,000 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

