GOTION EDGE X: DC Energy Storage Solution



Density Increased by 2%, Footprint reduced by 5%

Parallel DC-side configuration supports off-grid operation above 5MWh

Standardized Design Compatible with 20ft and 40ft standard dimensions

Highly compatible with various PCS models

Product Strengths

Safe and Reliable

- Dual-cabinet design with independent fire zones
- Tier-3 fire protection: timely suppression, flame-retardant, and explosion-proof

Intelligent and Flexible

- Intelligent temperature control, reducing condensation risk
- Compatible cabinet layout to fit various customer needs

Smart and User-Friendly

- Supports centralized or string PCS connections
- For overseas projects: compatible with local PCS/grid, reducing PCS certification and grid-connection complexity

Flexible Deployment

- Supports side-by-side parallel connection of multiple units
- Pre-installed design reduces on-site construction and commissioning time

Commercial & Industrial Energy Consumption | Data Center | Microgrid | Power supply in remote areas | Zero-Carbon ParkCharging | PV–Storage–Charging Integration

Model	X-836	X-950
DC Side Parameters		
Cell Parameter	LFP 3.2V/314 Ah	LFP 3.2V/91.5 Ah
Battery Capacity	836kWh	948kWh
Nominal Voltage	1331.2V	1152V
Battery Voltage Range	1164.6 - 1497.6V	900 - 1368V
Rated Power	418kW(0.5P@25℃)	474kW(0.5P@25℃)
Rated Current	314A	137A*3
System Parameters		
Protection Level (IP Rating)	IP55	
Operating Temperature	-30℃ - +50℃	
Operating Humidity	≤95%	
Maximum Operating Altitude	3000m	
Thermal Management System	Liquid-Cooling	
Fire Suppression System	Container-Level Aerosol Explosion Venting	
Communication Interface	CAN,RS485,Ethernet (reserve)	
Standards & Certifications	UL9540*, UL1973*, UL9540A*, NFPA68*, IEC62477*, IEC61000*, IEC63056*, IEC62619*, IEC60730*, UN3480*	UL9540*, UL1973*, UL9540A*, NFPA68*, NFPA69*, UN3480*, IEC62477*, IEC61000*, IEC63056*, IEC62619*, IEC60730*, IEC62620*, IEC62933*, IEC60529*
Dimensions (W×D×H)	1400×2400×2420mm	2070×2320×2738mm
Weight	8t	9.5t

* Certification in progress

