GOTION EDGE X: AC Integrated Energy Storage Solution



All-in-one
Easier for on-site installation

Internal Bus Configuration
Lowers LCOS by 2%

Modular design
O&M efficiency up

High efficiency
Liquid cooling, 30% lower losses

Product Strengths

High Efficiency and Flexibility

- High-efficiency conversion, maximum system RTE ≥ 91%
- Liquid cooling, 30% lower losses
- Rapid response, supports black start

Flexible Deployment

- Side-by-side parallel connection of multiple units
- Reduces footprint by 27.9%
- All-in-one design for easy pre-installation, commissioning, and maintenance

Safe and Reliable

- Three-level overcurrent protection for precise, staged shutdown to minimize damage
- Tier-3 fire protection: timely suppression, flame-retardant, and explosion-proof
- Wide operating temperature range: −30°C to 60°C

Smart and User-Friendly

- Integrated hardware and software design for BMS/PCS/EMS, enabling efficient collaborative operation
- Liquid cooling ensures uniform heat dissipation, extending system lifespan by 20%
- Remote intelligent wireless operation, supporting remote upgrades

Commercial & Industrial Energy Consumption | Data Center | Microgrid | Power supply in remote areas | Distribution-Level BESS | Solar Storage Charging

Model	X-261		X-522	
Battery				
Cell Type	LFP 3.2V/314 Ah			
Battery Capacity	261kWh	261kWh	522kWh	522kWh
Nominal Voltage	832V			
Nominal Voltage	728V - 936V			
AC Side Parameters				
Rated Power	125kW			
Maximum Power	137.5kW			
Current Harmonics	<3% (Rated power)			
DC Component of Current	<0.5%			
Rated Grid Voltage	480V (-12% - +10%)	400V (-15% - +15%)	480V (-12% - +10%)	400V (-15% - +10%)
Rated Current	150A	180A	150A	180A
Power Factor	>0.99 (Rated power)			
Rated Grid Frequency	60Hz	50Hz/60Hz	60Hz	50Hz
Grid Frequency Range	55Hz - 65Hz	50Hz/60Hz±2.5Hz	55Hz - 65Hz	45Hz - 55Hz
System Parameters				
Protection Level (IP Rating)	IP55			
Operating Temperature	-30°C - +50°C	-25°C - +50°C	-30°C - +50°C	
Operating Humidity	≤95%			
Maximum Operating Altitude	4000m			
Thermal Management System	Liquid-Cooling	Liquid-Cooling +Air-Cooling	Liquid-Cooling	
Fire Suppression System	PACK-Level Aerosol Container-Level Aerosol Explosion Venting			
Communication Interface	4G,RS485,Ethernet(reserve)			
Standards & Certifications	UL9540*, UL1973*, UL1741*,UL9540A*, NFPA68*,UN3480*	IEC62477,IEC61000, IEC63056,IEC62619, IEC60730,UN3480	UL9540*,UL1973*, UL1741*,UL9540A*, NFPA68*,NFPA69*, UN3480*	IEC62477*,IEC61000*, IEC63056*,IEC62619*, IEC60730*,UN3480*
Dimensions (W×D×H)	1120×1350×2420mm		1900×1400×2420mm	
Weight	3.5t	2.6t	8t	

* Certification in progress

