Gotion EDGE X

AC Integrated Energy Storage Solution

ESC-R125-261-CE



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
- 3-Tier 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
- Remote fault analysis

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

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Model	X-261
Battery	
Cell Type	LFP 3.2V/314 Ah (Gotions own cell)
Battery Capacity	261kWh (100% DoD)
Nominal Voltage	832V
Nominal Voltage Range	728V - 936V (95% DoD, single cell voltage range: 2.8-3.6V)
AC Side Parameters	
Rated Power	125kW
Charge/Discharge Rate (P)	0,5 (PSC power can be derated to make 4h system)
Current Harmonics	<3% (Rated power)
DC Component of Current	<0.5%
Rated Grid Voltage	400V (-15% - +15%)
Rated Output Current	180A
Power Factor	>0.99 (Rated power)
Rated Grid Frequency	50Hz/60Hz
Grid Frequency Range	50Hz/60Hz±2.5Hz
System Parameters	
Protection Level (IP Rating)	IP55
Anti-Corrosion Level	Cabinet enclosure C4M
Operating Temperature	-30°C - +50 °C
Operating Humidity	≤95%
Maximum Operating Altitude	<2000m
Thermal Management System	Liquid-Cooling
Fire Suppression System	Aerosol FSS, Explosion Venting
Communication Interface	RS485, 2 x Ethernet UTP-ports, R232 optional
System Communication Protocol	Modbus/MQTT
Noise	≤75 dB
Standards & Certifications	IEC62477, IEC61000, IEC63056, IEC62619, IEC60730, UN3480, GB/T 36276, UL9540A
Dimensions (W×D×H)	1120×1350×(2450±5)
Weight	2.6t

Area	Certification standards	
Europe	EN50549-10, EN50549-1 / EN50549-2	✓
Czech Republic	PPDS based upon EN 50549-1	✓
Germany	VDE 4110 / VDE 4120 / VDE 4105 / Zerez	✓
Sweden	EN 50549 + deviation	✓
France	50549-1/-10	✓
Austria	TOR type A + R25	✓
Belgium	C10/11 type ABCD based upon EN 50549-2	✓
United Kingdom	G99 Type ABCD / G100	✓
Italy	CEI 0-21, CEI 0-16	✓
Netherlands	EN 50549 + type B + C + D	✓

Optional: bracket + EMS



Bracket



EMS