TYR Aurora Energy Solution LTD

Commercial & Industrial Energy Storage Solutions

Gotion EDGE X-261

AC Integrated Battery Energy Storage System

North American 480 V / 60 Hz variant



PRODUCT SNAPSHOT

RATED POWER	125 kW
CATALOGUE CAPACITY	261 kWh
GRID CONNECTION	480 V / 60 Hz
PROTECTION	IP55
COOLING	Liquid cooling
MAX. SYSTEM RTE	>= 91%

261 kWh
BATTERY CAPACITY

125 kW
RATED OUTPUT

137.5 kW
MAX. OUTPUT

> 0.99
POWER FACTOR

Manufacturer-stated product strengths

Efficiency

Maximum system round-trip efficiency >= 91%; liquid cooling stated to reduce losses by 30%.

Deployment

Side-by-side parallel connection of multiple units; all-in-one design for pre-installation and commissioning.

Controls

Integrated BMS / PCS / EMS; 4G, RS485 and reserved Ethernet interface; remote upgrades stated.

Safety design

Three-level overcurrent protection; pack-level aerosol, container-level aerosol and explosion venting are listed.

Ideal for Canadian Applications

Peak Shaving & Demand Management: Reduce peak demand charges and manage constrained electrical capacity.
Facility Capacity Support: Accommodate load growth, electrification, and EV charging without immediate grid capacity upgrades. Backup & Power Resilience: Provide energy reserves to support critical commercial and industrial loads during power interruptions.
Solar + Storage: Maximize on-site renewable energy utilization and improve energy flexibility.
Microgrids: Integrate battery storage with solar, generators and facility loads for greater energy resilience and flexibility.
Data Centres & High-Demand Facilities: Support growing power requirements, load flexibility and power-quality needs.

Contact Us

scarlett.ge@tyrauroraenergy.com

Tel / WhatsApp: +1 236-965-5051

TYR Aurora Energy Solution LTD

3602-6333 Silver Avenue

Burnaby, BC V5H 0C3

Technical Specifications

X-261 - 480 V / 60 Hz column, transcribed from the Gotion 2026 Q1 English catalogue

BATTERY AND AC SIDE	
Cell type	LFP 3.2 V / 314 Ah
Battery capacity	261 kWh
Nominal voltage	832 V
Voltage range	728 V - 936 V (source row is also labelled 'Nominal Voltage')
Rated power	125 kW
Maximum power	137.5 kW
Current harmonics	< 3% (rated power)
DC component of current	< 0.5%
Rated grid voltage	480 V (-12% to +10%)
Rated current	150 A
Power factor	> 0.99 (rated power)
Rated grid frequency	60 Hz
Grid frequency range	55 Hz - 65 Hz

SYSTEM AND PHYSICAL	
Protection level	IP55
Operating temperature	-30 deg C to +50 deg C
Operating humidity	<= 95%
Maximum operating altitude	4000 m
Thermal management	Liquid cooling
Fire suppression	Pack-level aerosol; container-level aerosol; explosion venting
Communication interface	4G, RS485, Ethernet (reserve)
Dimensions (W x D x H)	1120 x 1350 x 2420 mm
Weight	3.5 t

UL CERTIFICATION STATUS - COMPLETED

UL 9540, UL 1973, UL 1741, UL 9540A

Contact Us
scarlett.ge@tyrauroraenergy.com
Tel / WhatsApp: +1 236-965-5051

TYR Aurora Energy Solution LTD
3602-6333 Silver Avenue
Burnaby, BC V5H 0C3