NOVA LFSe

POWERFUL ACCELERATION, ZERO EMISSIONS

The 100% electric Nova LFSe is based on the proven heavy-duty LFS platform and integrates powerful electric propulsion technology.

An unparalleled driving and riding experience, significant reduction in noise level, zero emissions and a continuous operational range with dedicated infrastructure are just a few of the advantages this advanced electric vehicle system has to offer.

NOVA BUS
Driven by your city

DRIVEN BY ELECTRO MOBILITY™

Building the future of sustainable mobility. That's what Nova Bus' Electro Mobility™ strategy is all about. We are continuously moving forward, adding the latest hybrid technology and electrical components to our product portfolio. Our engineers completed the development of a 100% electric heavy-duty transit bus, optimized for harsh North American operating conditions.

Implementing an electric bus system in North America requires operational flexibility and the construction of a dedicated infrastructure. As part of Volvo Group, our engineers worldwide are working together to develop a robust and efficient electric drive and energy storage systems. Our team strives to forge electric based transportation technologies and promote efficient, sustainable urban mobility.

Please contact your Nova Bus Regional Sales Manager to initiate a discussion and assess the possibility of a partnership-driven project in your city.

SPECIFICATIONS	LFSe: 100% ELECTRIC BUS
LENGTH	40.0' (12.2 m)
HEIGHT	130" (330 cm)
SEATING CAPACITY	Up to 41
MULTIPLEX SYSTEM	Volvo multiplex system (VBEA)
CORROSION-RESISTANT OUTSIDE SHELL	Fiberglass and thermoplastic skirt panels
ROOF-MOUNTED HVAC	Thermo King all-electric AM2 E700
STRUCTURE	Stainless steel
MOTOR	TM4 Sumo HD electric powertrain 230 kW / 2700 Nm (308 hp / 1990 lb-ft)
TRANSMISSION	Direct drive. No gearbox.
BATTERIES	4 Volvo high voltage lithium-ion batteries in parallel
LOCATION OF BATTERIES	2 batteries located on the roof 2 batteries located in the rear section
CHARGING FREQUENCY	6-minute fast charge per operating hour using an overhead inverted pantograph
TYPICAL DISTANCE BETWEEN CHARGING STATIONS	10 to 15 miles (15 to 25 km)
OPERATIONAL RANGE	Continuous operation with dedicated infrastructure
AXLES	Front ZF RL-85 Rear ZF AV-132
BRAKES	ABS disc w/ traction control

These specifications are based on the latest product information available at press time and are subject to change. Contact your Nova Bus Regional Sales Manager for more details on our products and services.