

Nova Bus LFSe

Building the future of sustainable mobility



The uncompromising
industry workhorse
electrified

The LFSe is a 100% electric heavy-duty transit bus, based on the proven LFS platform, and integrates powerful electric propulsion technology optimized for harsh operating conditions.

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

LFS_e Full Electric



SILENT SMOOTH RIDE

No gear shifting and silent operation that gives passengers a pleasant ride

SUPERFAST CHARGING

Rapid and fully automatic charging at end stations helps you stay on schedule

MAXIMUM PAYLOAD

No indoor space is sacrificed, our Full Electric vehicle let you transport passengers, not batteries

SPECIFICATIONS

LENGTH	40 ft (12.2 m)
WIDTH	8.5 ft (2.6 m)
HEIGHT	10.5 ft (3.35 m)
INTERIOR HEIGHT	93" excluding rear axle, 74" over rear axle
WHEELBASE	244" front to rear axle
SEATING CAPACITY	Up to 41
LOADING CAPACITY	Up to 71
STRUCTURE	Stainless Steel
CORROSION-RESISTANT OUTSIDE SHELL	Fiberglass and thermoplastic skirt panels
ENGINE	TM4 Sumo HD electric powertrain 230 kW / 2700 Nm (308HP/1990 lb-ft)
ROOF-MOUNTED HVAC OPTIONS	Thermo King all-electric AM2 E800
FLOORING SYSTEM	Composite
ELECTRIC / ELECTRONIC SYSTEM	Volvo Multiplex System (VBEA)
TRANSMISSION	Direct drive. No gearbox.
BATTERIES	4 Volvo high voltage lithium-ion batteries in parallel
BATTERIES LOCATION	2 batteries located on the roof & 2 batteries located in the rear section
CHARGING FREQUENCY	5-minute fast charge per operating hour using an overhead pantograph
AXLES	Front ZF RL-85, Rear ZF AV-133
BRAKE SYSTEM	ABS all-wheel disc brakes with traction control
TURNING RADIUS	40' 10" (12.5 m)

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 regarding our products and services.