



Powered by BAE Systems

Powerful
Robust
Versatile

For the city that never sleeps and the city that sleeps like a baby. For the city that appreciates nature's whispers and the city that sings along. For the city that breathes deeply and the city that makes people breathless.

We at Nova Bus think that a bus should be designed to be just as reliable as your best friend. We make sustainable transit solutions for every city's needs. Made to minimize downtime and handle the toughest challenges. No matter the topography, weather, date or time. We are there, in everyday life, early morning and late at night, with buses you can always count on. For the clean, for the quiet and for the living city.



Highlights

Measurements

Length	40' (12.19m)
Width	102" (2.59m)
Height	10' 8" (3.30m)
Interior height	93 inches excluding rear axle, 74 inches over rear axle
Wheelbase	244 inches (Front to rear axle)

Propulsion

Motor	BAE Systems HDS200
Rated power	200 kW
Rated torque	5200 N·m

Seating capacity

Seating capacity	Up to 41 passengers
Loading capacity	Up to 59 passengers (6 batteries configuration) Up to 68 passengers (4 batteries configuration)

Body features

Structure	Stainless steel
Outside shell	Fiberglass and thermoplastic skirt panels

Turning radius

Turning radius	40' 10" (12.45m)
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Main components

Flooring	Maintenance-free composite floor
HVAC	Mobile Climate Cotrol Eco 136e electric
Cooling system	Nova eCooling system
Axles	ZF RL-82A (Front), ZF AV-133 (Rear)
Brakes	Regenerative braking with ABS all-wheel disc brakes
Electrical system	Volvo multiplex system (VBEA)

In June 2018, the electric vehicle of the LFS platform became the first electric bus to receive a passing score for a full test at Altoona.

Nova Bus has earned the highest reputation for overcoming the challenges of modern city transportation by manufacturing robust products that have become known as the industry workhorses: the LFS range of buses.



Key features

- + Proven HDS200 motor from BAE Systems
- + Zero emissions with all electric accessories
- + Modular battery options capable of storing up to 564 kWh of onboard energy

Dual Charging options



Charging option

Charging system	SAE J3105	CCS type 1, J1772
Charging power (maximum)	450 kW	150 kW
Charging time on route	6 minutes for a 35 kWh boost	n/a
Charging time at depot	Less than 3.25 hours for a full charge using either the overhead or plug-in charging options at depot	

