



LFS[®] *e⁺*

Powered by BAE Systems

Powerful
Robust
Versatile

The long-range battery
electric vehicle the industry
has been looking for.

NOVABUS

bring life to your city



For more information, visit
novabus.com

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)

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To deliver on our promise to provide the most efficient and reliable long-range electric-powered buses, we have equipped our new LFS^{e+} model with BAE Systems' innovative electric technology.



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



Overhead



Plug-in

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

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.

