



**LFS<sup>®</sup>** *e<sup>+</sup>*

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](http://novabus.com)

# Highlights

## Measurements

Length	40 ft (12.2 meters)
Width	8.5 ft (2.6 meters)
Height	10.8 ft (3.3 meters)
Interior height	93" excluding rear axle   74" over rear axle
Wheelbase	Front to rear axle: 244"

## Propulsion

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

## Seating capacity

Seating capacity	Up to 41
Loading capacity	Up to 68

## Body features

Structure	Stainless steel
Outside shell	Fiberglass and thermoplastic skirt panels

## Turning radius

Turning radius	40' 10" (12.5 m)
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## Main components

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

## Powered by BAE Systems

To deliver on our promise to provide the most efficient and reliable long-range electric-powered buses, we have equipped our new LFS<sup>e+</sup> 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 594 kWh of on-board energy

## Dual charging options



### Overhead



### Plug-in

Charging system	SAE J3105	CCS type 1, J1772
Charging power (maximum)	450 kW	150 kW
Charging time <b>OPR</b> charge	6 minutes for a 35 kWh boost	n/a
Charging time <b>AT DEPOT</b>	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.