



THE LION
ELECTRIC CO.



Power in Progress

LIONM





The Lion Electric Co. manufactures innovative zero emission vehicles. Since its inception in 2008, Lion's mission has been to develop durable and integrated solutions while continuing to reduce its environmental footprint.

Always actively seeking new technologies, Lion vehicles have unique features that are specifically adapted to its users and their everyday needs. The Company believes that transitioning to all-electric vehicles will lead to major improvements in our society, environment and overall quality of life.

In addition of its all-electric type C school bus, the company also manufactures an all-electric midi/minibus which meets customer needs in paratransit, school and public transportation requirements. Furthermore, Lion is broadening its vehicle offering by developing class 5 to 8 all-electric trucks. Class 8 vehicles will launch during the Fall of 2018.

We are convinced that Lion will be able to exceed your expectations with the introduction of its new all-electric vehicles which will help foster a healthier and greener world.

**TOGETHER, LET'S DRIVE
POWER IN PROGRESS.**

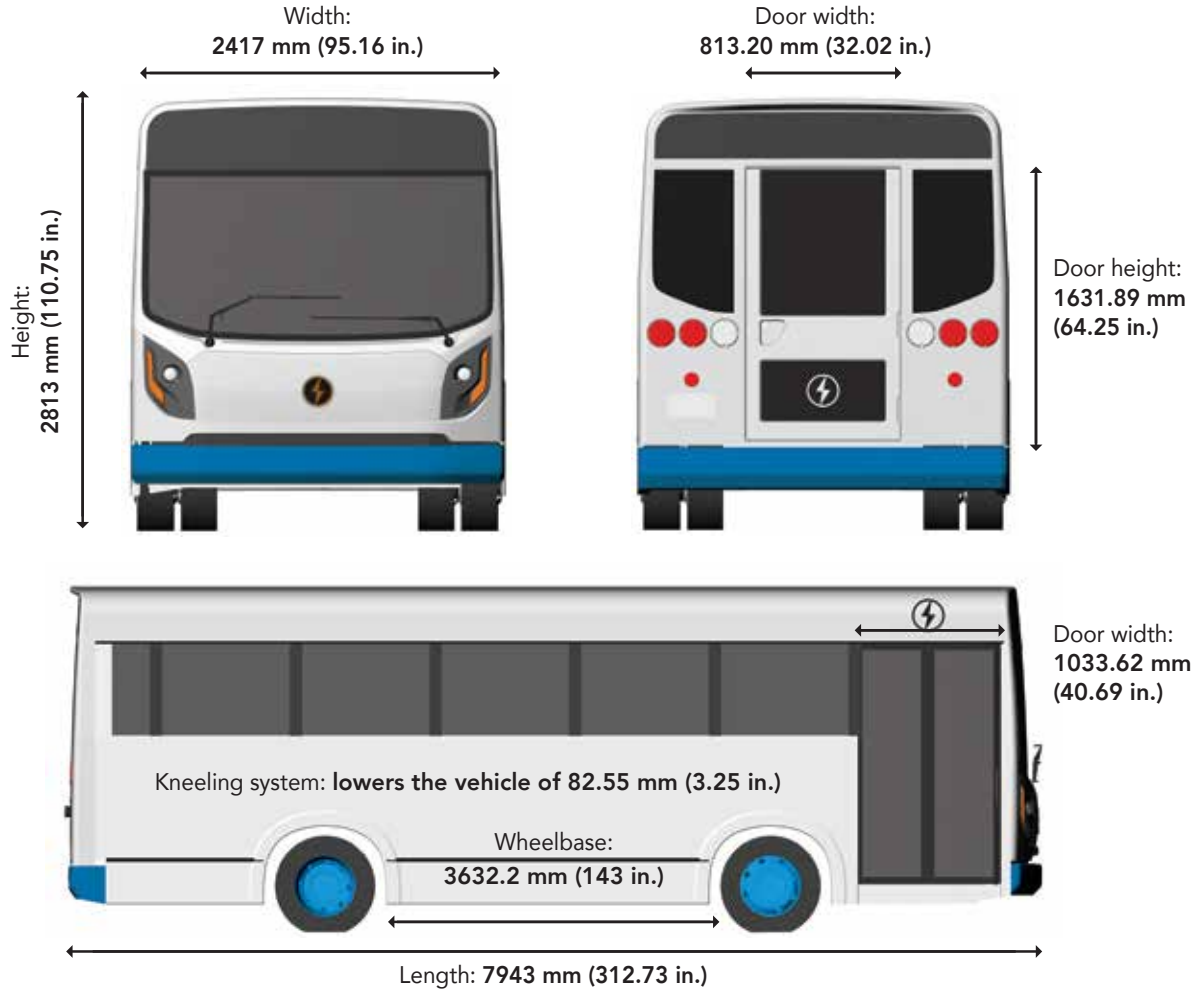
LION'S NEW PRODUCT LINE

Entirely designed and manufactured by the Original Equipment Manufacturer (OEM), the **LIONM** meets the paratransit/urban transportation requirements while reducing the environmental footprint.



VEHICLE SIZE AND SPECIFIC FEATURES

Created and designed specifically for the paratransit market, the **LIONM** is spacious and offers unique features that provide enhanced security and accessibility to the end-users.



PERFECTLY TAILORED TO PASSENGERS NEEDS

The **LIONM** is without a doubt the most accessible, custom-built and energy-efficient solution in the paratransit/urban transportation industry.

Rapid and efficient boarding

- The passenger boarding process is completed in seconds with the integrated Bi-Fold access ramp and vehicle kneeling system
- Possibility to board without deploying the Bi-Fold ramp






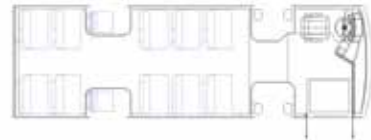
Interior width: 2290 mm (90 in.)

- Design optimized for paratransit
- Low floor to improve accessibility



CONFIGURATION EXAMPLES

The **LIONM** offers various flexible configuration options that enhance the interior space and allow rapid and efficient seat configuration transitions.

	RAISED SEATS	LOWERED SEATS	
A			<ul style="list-style-type: none"> – 10 double foldaway seats – 6 wheelchair spaces – 2 fixed single seats
CAPACITY	6 W/C + 2 AMBULATORY P.S.*	22 AMBULATORY P.S.*	
B			<ul style="list-style-type: none"> – 4 double foldaway seats – 6 wheelchair spaces – 2 fixed single seats
CAPACITY	6 W/C + 2 AMBULATORY P.S.*	4 W/C + 10 AMBULATORY P.S.*	
C	Foldaway		<ul style="list-style-type: none"> – 5 fixed double seats – 3 wheelchair spaces – 2 fixed single seats
CAPACITY	—	3 W/C + 12 AMBULATORY P.S.*	
D	Foldaway		<ul style="list-style-type: none"> – 10 fixed double seats – 2 fixed single seats
CAPACITY	—	22 AMBULATORY P.S.*	

* Ambulatory passenger seat.

POWERTRAIN AND BATTERIES

The **LIONM** stands out with its powerful, efficient and innovative electric motor.



All-electric powertrain

- Electric motor offers up to 149 kW (200 HP)
- Equivalent or better performance than same category and combustion-engine vehicles

Safe and high-performance lithium-ion (NMC) batteries from LG Chem

- Same battery technology as the automobile industry
- Range options:
 - 120 km / 75 miles or 240 km / 150 miles (1 or 2 battery packs, 80 kWh each)*

* Distance may vary based on certain conditions.

BATTERY SWAP AND CHARGING OPTIONS

Multiple options are available to make the **LIONM** experience unforgettable.



Quick battery swap

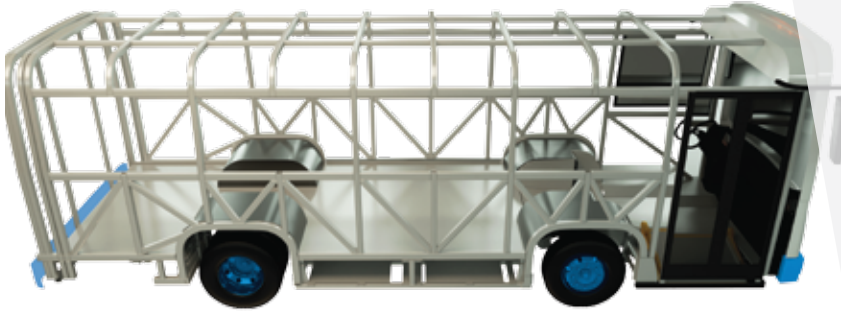
- Possibility to swap batteries in a few minutes, leveraging the unique technology offered
- The battery swapping technology enhances the operation process as well as the fleet and charging infrastructure management

Charging options

- The **LIONM** is equipped with an embedded 19.2 kW charger that leverages the standard J1772 charging protocol
- The DC fast charging is also available as an option (SAE-Combo) and can reduce the overall recharge time

UNIQUE MONOCOQUE CHASSIS

The **LIONM** is built with innovative and high-quality materials to enhance performance and durability.



LIGHTER VEHICLE

OPTIMAL USE OF ALUMINUM

Custom-made chassis designed specifically for an all-electric vehicle

- The chassis structure is made of the perfect blend of aluminium and steel to maximize strength and minimize weight
- The materials chosen reduce the risk of corrosion and significantly extends the vehicle lifespan
- Using aluminium reduces the weight of the vehicle and increases its range

Adjustable innovative suspension

- Allows kneeling of 82.55 mm (3.25 in.) to ease passenger boarding process
- Pleasant and steady ride for both the passengers and driver

FOUR-WHEEL ADJUSTABLE SUSPENSION



DRIVER'S COMFORT AND PEACE OF MIND

The **LIONM** will help the driver enhance and improve his or her eco-driving behaviors as well as provide the most ergonomic driving experience possible.



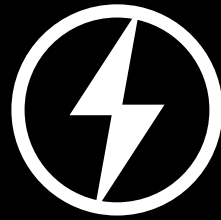
Ergonomic driver station

- Enhanced comfort and maximized visibility to provide optimal working conditions
- Several adjustments are available to create the best ergonomic driving position possible
- Additional options and access to switches facilitate overall bus operations management and improve usability/overall driver experience

Custom-built driver information center designed for an all-electric vehicle

- The combination of the standard analogue dial and digital display screen offer a variety of options and management tools that will allow real time view of the following options:
 - Remaining driving range
 - Battery charge level
- Possibility to remote access the vehicle with the embedded telemetry system, enabling faster and easier analysis
- Access to additional informations, such as a driving performance indicator, is available on the optional touchscreen





LION

Power in Progress



thelionelectric.com
1 (855) 546-6706