



THE LION
ELECTRIC CO.



Power in Progress

| **LIONA**





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.

The **LIONA** is more than just an all-electric mini school bus. In addition to its many economic benefits, the **LIONA** is built with innovative and high-quality materials to enhance performance and durability. Lion already sold hundreds of electric Type C school buses in North America and instills important values in younger generation by educating them on the importance of protecting the environment by using clean and renewable energy.

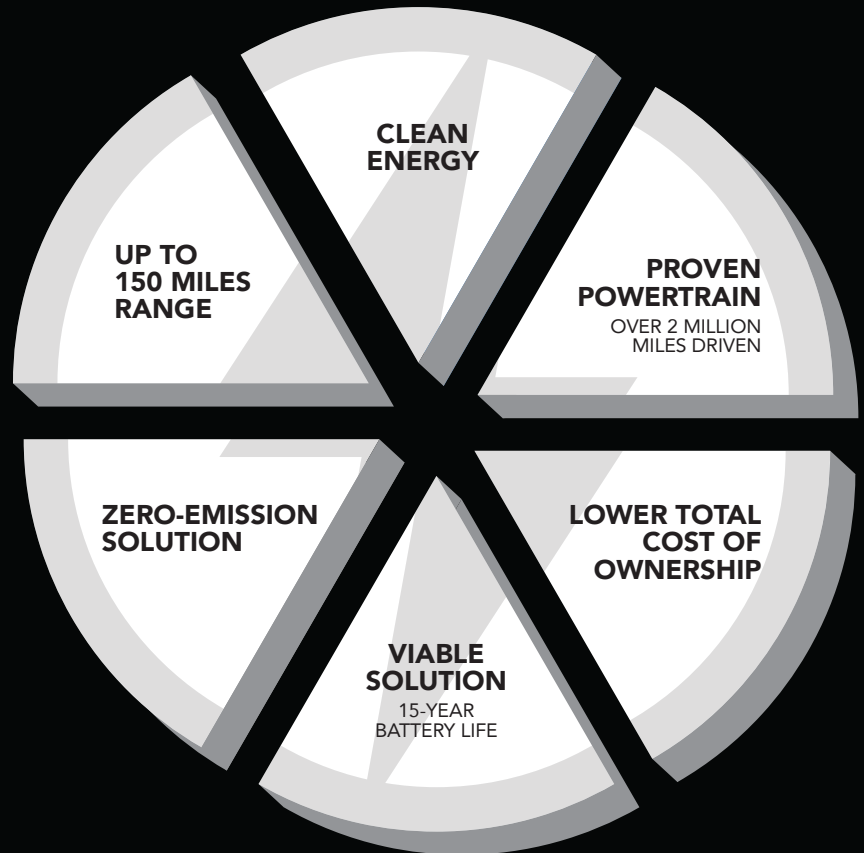
Lion is also broadening its vehicle offering by developing class 5 to 8 all-electric trucks. The eLion8 will launch during the Fall of 2018.

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

DISCOVER THE LIONA

Entirely designed and manufactured by the Original Equipment Manufacturer (OEM), the LIONA meets all school transportation requirements while reducing the environmental footprint.

BENEFITS OF OWNING A LIONA



THE COMPLETE CUSTOMER EXPERIENCE

With Lion's expertise, your new electric school buses will easily, quickly and efficiently be integrated to your fleet.



Key services & benefits

- **GLOBAL INFRASTRUCTURE:** End-to-end service provided to ensure equipment and infrastructure are adapted to your fleet
- **EXCEPTIONAL CLIENT SERVICE:** Best-in-class sales, technical and operational teams readily available to assist with any questions or assistance you may require
- **BEST-IN-CLASS TECHNICAL SUPPORT:** 24/7 support, training and assistance
- **15-YEAR + LIFE CYCLE:** Longer life-cycle than other buses in harsh conditions
- **LOWER OPERATIONAL COSTS:** Operational costs are much lower than any combustion engine buses

POWERTRAIN AND BATTERIES

The **LIONA** 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:
 - 80 kWh (120 km/75 miles)
 - or 160 kWh (240 km/150 miles) *

* Distance may vary based on certain conditions.

BATTERY SWAP AND CHARGING OPTIONS

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



Optional quick battery swap

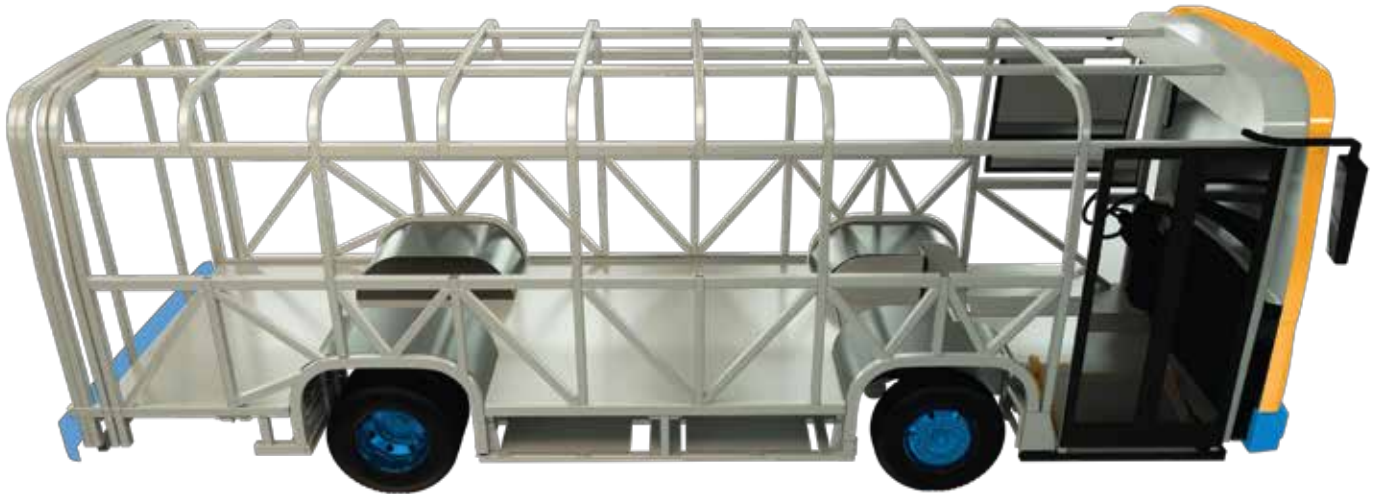
- Possibility to swap batteries in a few minutes, leveraging the unique technology offered
- The battery swapping technology enhances the operation process as well as the fleet and charging infrastructure management

Charging options

- The **LIONA** 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 **LIONA** is the only one type A school bus with a monocoque chassis and built with innovative and high-quality materials to enhance performance, durability and lifespan.



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 extend the vehicle lifespan
- Using aluminium reduces the weight of the vehicle and increases its range

DRIVER'S COMFORT AND PEACE OF MIND

The **LIONA** 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

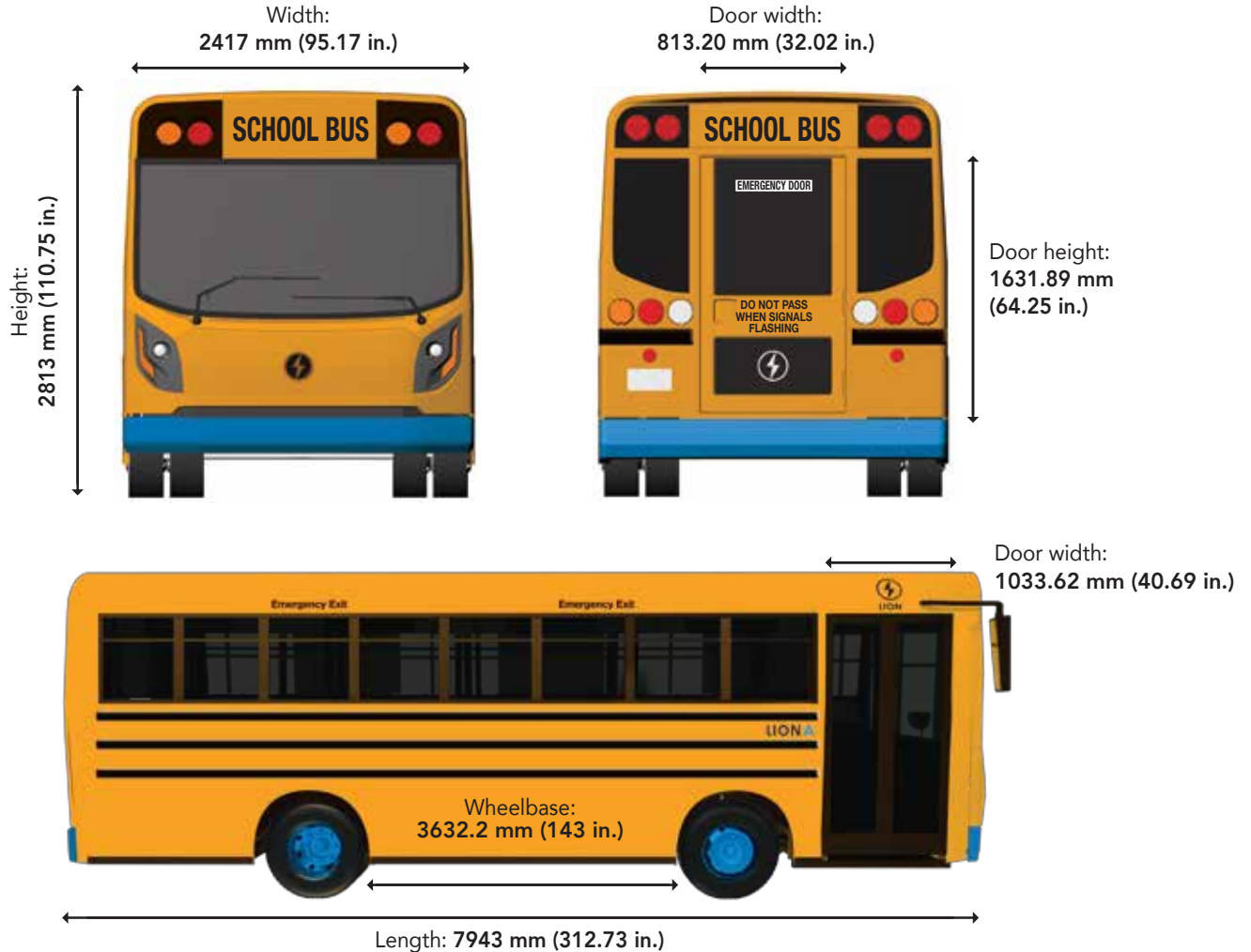
Custom-built driver information center designed for an all-electric vehicle

- 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 information:
 - 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 information, such as a driving performance indicator, is available on the optional touchscreen



VEHICLE SIZE AND SPECIFIC FEATURES

The **LIONA** is spacious and offers unique features that exceed industry standards.



OTHER KEY FEATURES

The **LION A** is built with innovative, high-quality materials and has multiple options available.

Withstands corrosion by using materials that have already proven themselves

- Composite body panels, gelcoat, no corrosion & no waterleaks
- The one-piece stepwell, the wheelhouse and the anti-acid battery box / tray are made of rotomolded polyethylene

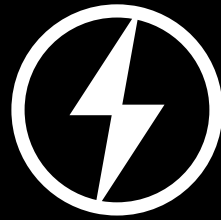


The wheelchair lift makes the **LION A** a perfect bus for special needs transportation

- **LION A** passengers benefit from an emission-free environment
- Many options and different configurations available upon request
- Composite free corrosion double doors

Adjustable innovative suspension option

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



LION

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thelionelectric.com

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