



THE LION
ELECTRIC CO.



Power in Progress

| **LIONC**

**2 MILLION
MILES**
DRIVEN...
AND
COUNTING





The Lion Electric Co. is an innovative manufacturer of zero emission vehicles. Since its foundation in 2008, Lion's mission has been to develop durable, integrated solutions while reducing 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 **LIONC** is more than just an electric school bus. In addition to its many economic benefits, the **LIONC** stands out as the only zero-emission solution currently available. 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.

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.

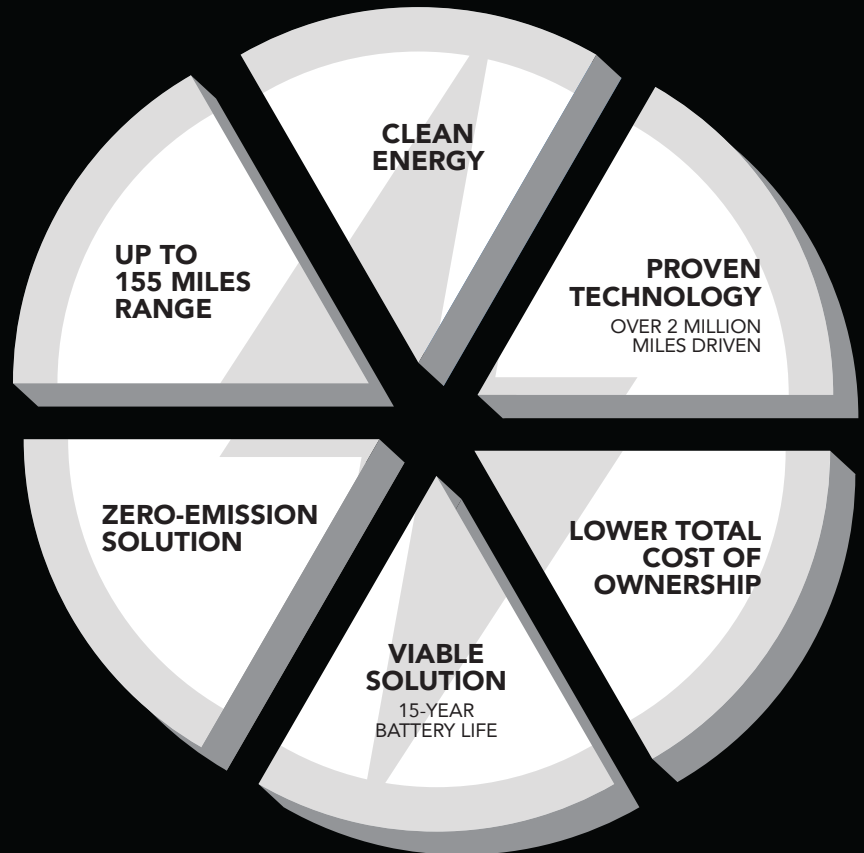
We are convinced that Lion will be able to exceed your expectations with the introduction of its new all-electric vehicles which will help foster a healthier and greener world.

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

DISCOVER THE LIONC

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

BENEFITS OF OWNING A LIONC



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
- **THIRD COMMERCIALIZATION YEAR:**
The **LIONC** has been commercialized for over 2 years
- **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

BATTERIES & RANGE

Lion offers several range options to optimize return on investment and school bus routes planning.

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

- Same battery technology as the automobile industry
- 8 years limited warranty

Range Options

- 65 miles / 100 km (88 kWh)
- 100 miles / 150 km (132 kWh)
- 125 miles / 200 km (176 kWh)
- 155 miles / 250 km (220 kWh)



ELECTRIC POWERTRAIN

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



All-electric powertrain

- Electric motor offers up to 250 kW (335 HP)
- Equivalent or better performance than same category and combustion engine vehicles

One **LIONC** is the equivalent of **removing 5 cars from the road** or **eliminating 23 tons of GreenHouse Gas (GHG)**.

CHARGING OPTIONS

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

Charge adapted to your needs

- The **LIONC** 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 charging time



DRIVER INFORMATION CENTER & CLUSTERS

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



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

- The combination of the standard and digital display screen offer a variety of options and management tools that allow real time view of a variety of items including:
 - Remaining driving range
 - Battery charge level
- Possibility to remote access the vehicle with the embedded telemetry system, enabling faster and easier analysis

LIONC

96" WIDTH

AVAILABLE NOW



OTHER KEY FEATURES

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



The wheelchair lift makes the LIONC a perfect bus for special needs transportation

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

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



All-electric

MULTIFUNCTION SCHOOL ACTIVITY BUSES (MFSAB)

In addition to offering the same benefits as the **LIONC**, Lion's all-electric MFSAB has as much interior space as a luxury coach, plus a robust body structure that complies with the highest transportation standards.



A commercial bus like no other in its category

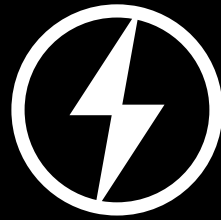
- Panoramic windows
- Overhead racking systems can include numerous options such as reading lights, entertainment system and more
- A wide range of high-performance air conditioning systems are available
- Underfloor luggage compartments with the most ground clearance in their category

TECHNICAL SPECIFICATIONS

CHASSIS	
Range	65 miles / 100 miles / 125 miles / 155 miles
On-board charger	AC - 19.2 kW - J1772
High voltage batteries	LG Chem - Lithium-ion (NMC)
Electric powertrain	TM4 Sumo MD
Cabin aux. heating system	80,000 BTU
Driver interface	LCD - touch screen
On-board telematics	Remote access on-board telematics
Sound generator	0-20 mph (0-30 km/h)
Brakes	Hydraulic
Front suspension	Parabolic - 10,000 lb
Rear suspension	Leaf springs - 20,000 lb
G.V.W.R.	30,000 lb
Wheelbase	254" or 276"
Fuel tank - heating system	25 gallons (applicable for all states except CA)
Frame rails	50,000 PSI
Bumpers	Front & rear - blue or black
Wheels	22.5" x 8.25"
Tires	Dunlop 11R22.5 or equivalent
12V batteries	2 x 950 CCA
Diff. ratio	5.29 - other ratios available upon request
Gauge & clusters	Speedometer, RPM, oil, temperature
Horn	Double
Backup alarm	112 dB

BODY	
Capacity	54 to 72 passengers
Glass & windows	Tinted - black frames
Lights	LED - interior & exterior
Rear heaters	2 x 80,000 BTU, options available upon request
Exterior	Composite - gel coat
Stepwell	One-piece polyethylene - no corrosion
Battery box & tray	Two-piece polyethylene - no corrosion
Wheelhouses	One-piece polyethylene - no corrosion
Rear emergency door	Composite interior & exterior - no corrosion
Body skirts	TPO plastic - recyclable - resistant - no corrosion and easy to replace
Driver dash	Composite with integrated trash can
Exterior width	96 or 101.5 in.
Interior width	90 or 96 in.
Exterior height	124 in.
Interior height	78 in.
Electric system	12V standard - no multiplex

AVAILABLE OPTIONS
DC fast charging
Polyethylene exterior underfloor storage boxes
Air conditioning system
Wheelchair lift
Destination signs
3-point belts without capacity loss
Additional options available upon request



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thelionelectric.com
1 (855) 546-6706