

LION5

Technical Specifications*

WEIGHT & DIMENSIONS

Cabin length - BBC	74.3 in.
Cabin height	93.2 in.
Wheelbase	140 in. or 152 in.
Gross vehicle weight rating (GVWR)	19,500 lb. – 26,000 lb.
Gross combined weight rating (GCWR)	19,500 lb. – 30,000 lb.

ELECTRIC POWERTRAIN

Top speed	74.5 mph
Maximum power	235 kW • 315 HP
Maximum torque	3200 Nm 2360 ft-lbs.
Range	Up to 200 miles**
Battery capacity	210 kWh
ePTO	Provision up to 32 kW
Motor and inverter	Sumo MD Dana TM4
Transmission	Direct drive No transmission
Level III - charging time	Minimum 1.5 hours
Plug-in charging location	Passenger side, above cab entry step

CHASSIS

Payload	Up to 12,500 lb.
Front axle	Meritor MFS-12
Rear axle	Dana S130 with Limited-slip
Front suspension	Adaptive independent or Leaf spring
Rear suspension	Adaptive independent or Leaf spring
Braking	4-wheel hydraulic disc brakes with ABS/ESC/ TCS/ Hill Start Assist/ Electric Parking brake

* SPECIFICATIONS ARE SUBJECT TO CHANGE.

** Based on 75% GVWR, 21 °C/70 °F, City Suburban Heavy Vehicle Cycle



All-Electric Class 5
multi-vocational low profile
chassis cab & cutaway

 **LION ELECTRIC**

thelionelectric.com

Versatility meets sustainability.

Designed and built from the ground-up to be 100% electric, the **LION5** class 5 truck brings zero-emissions to a wide variety of applications. Our class 5 truck is the Swiss Army knife of the Lion Electric urban truck portfolio, allowing operators to go nearly anywhere, emissions free and without the limitations imposed by CDL requirements.

The **LION5** is efficient and sustainable, offering a powerful combination of unparalleled performance and exceptional savings.

The **LionExperience**:

- Grant writing and ability to leverage fundings
- Charging infrastructure design and project management
- Complete onboarding trainings
- Purpose-designed EV telematic system

Make your **next move**
a **bright one.**



Savings Electric VS. Diesel



80%

ENERGY COST
REDUCTION



60%

MAINTENANCE
COST REDUCTION

- 1 ZERO-EMISSION SOLUTION
- 2 PROVEN SAFETY RECORDS
- 3 LOWEST TOTAL COST OF OWNERSHIP
- 4 REDUCTION OF MAINTENANCE DOWN TIME
- 5 BEST-IN-CLASS DRIVING EXPERIENCE
- 6 NO NOISE POLLUTION



LION6

Chassis

Technical Specifications*

WEIGHT & DIMENSIONS

Cabin length	79 in.
Cabin height	105 in.
Wheelbase	212 in.
Gross vehicle weight rating (GVWR)	26,000 lb

ELECTRIC POWERTRAIN

Top speed	65 mph
Maximum power	250 kW • 335 HP
Maximum torque	2,500 Nm • 1,800 ft-lb
Range	Up to 218 miles**
Battery capacity	Up to 252 kWh
Motor and inverter	SUMO MD - 6 phases Dana TM4
Transmission	Direct drive No transmission
Level III - charging time	Minimum 2 hours

CHASSIS

Front axle	12,500 lb
Rear axle	20,500 lb
Suspension	Air/Spring suspension Hendrickson
Braking	Hydraulic or air disc brakes WABCO

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All-Electric
Class 6 Truck

 **LION ELECTRIC**



Multiple range
offerings available

thelionelectric.com

Supercharge your business with new clean power.

Lion is building today's ultimate electric urban truck, which is designed and **purpose-built** to optimize your operations.

The **LION6**, all-electric class 6 truck, is efficient, sustainable and offers great performance.

The **LionExperience**:

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LION8

Chassis

Technical Specifications*

WEIGHT & DIMENSIONS

Cabin length - BBC	79 in.
Cabin height	107 in.
Wheelbase	195 in.
Gross vehicle weight rating (GVWR)	Up to 54,600 lb

ELECTRIC POWERTRAIN

Top speed	65 mph
Maximum power	350 kW • 470 HP
Maximum torque	3,400 Nm • 2,500 ft-lb
Range	Up to 142 miles**
Battery capacity	Up to 252 kWh
Motor and inverter	SUMO HD 800 VDC 9 phases Dana TM4
Transmission	Direct drive No transmission
Level III - charging time	Minimum 1.5 hours

CHASSIS

Front axle	Up to 20,000 lb
Rear axle	Up to 40,000 lb
Suspension	Air suspension • Hendrickson
Braking	Air disc brakes • Bendix

* SPECIFICATIONS ARE SUBJECT TO CHANGE.

** Based on 75% GVWR, 21 °C/70 °F, City Suburban Heavy Vehicle Cycle



All-Electric Class 8
Straight Truck

 LION ELECTRIC

thelionelectric.com

Purpose-built to give you all the clean power you need.

Lion is building today's ultimate electric urban truck.

Designed and purpose-built to deliver goods, our zero-emission class 8 urban truck is efficient and sustainable, offering a powerful combination of unparalleled performance and exceptional savings.

Each fleet vehicle lightens the global GHG load by up to 100 tons per year.

The **LionExperience**:

- Grant writing and ability to leverage fundings
- Charging infrastructure design and project management
- Complete onboarding trainings
- Purpose-designed EV telematic system

Make your **next move**
a **bright one**.



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LION8

Tractor

Technical Specifications*

WEIGHT & DIMENSIONS

Cabin length - BBC	79 in.
Height with aerodynamic kit	157 in.
Wheelbase	200 in.
Gross combined weight rating (GCWR)	82,000 lb

ELECTRIC POWERTRAIN

Max pedal speed	70 mph
Maximum power	500 • 400 kW 670 • 536 HP
Max/cont. Torque @ motor	2,200 • 1,140 Nm 1,622 • 840 ft-lb
Max/cont. Torque @ wheels	33,860 • 17,540 ft-lb
Range	Up to 250 miles**
Battery capacity	Up to 630 kWh
Motor	Meritor 2-speed e-axles
Level III - charging time	Minimum 1.5 hours

CHASSIS

Suspension	Hendrickson
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Multiple range offerings available

All-Electric
Class 8 Tractor Truck

 **LION ELECTRIC**

thelionelectric.com

Power ahead with transportation innovation your world needs now.

Lion is building today's ultimate electric urban vehicles: purpose-built to optimize your day-to-day operations and ease your transition towards zero-emission transportation.

Our all-electric class 8 tractor truck is efficient, sustainable and offers great performance. The **LION8 Tractor** is running 100% emission-free and significantly reducing the environmental load on our world.

The **LionExperience**:

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