



Motiv electric trolleys save fleet managers money on operating costs and downtime while also providing passengers and operators with a healthier, smoother, and quieter ride.

Motiv Power Systems has been electrifying trolleys for communities and universities since 2020.

## FEATURES

- » Up to 85% operating and maintenance savings
- » More than 170 vehicles and 2 million miles
- » Unique redundant high voltage safety systems protect operator and vehicle
- » 400V platform enables simplified and cost-effective charging infrastructure installation
- » Proprietary Hill Hold technology ensures vehicle and driver safety
- » Customizable regenerative braking settings for maximum range and operator comfort
- » Manual parking brake for state and federal compliance
- » Independent battery control improves reliability, range, and performance
- » Proprietary AdaptEV™ and Adaptive Battery Controller (ABC) manage battery temperatures to optimize charging, cold weather performance, and safety
- » No CDL required
- » Over-the-air software updates
- » Proprietary fleet health reports use vehicle field data to provide insights to help optimize fleet efficiencies and improve driver experience

## MOTIV ELECTRIC VEHICLE SPECIFICATIONS

Motiv Platform	S	SL
Passenger Capacity	Up to 30 passengers, configurations vary	Up to 30 passengers, configurations vary
Range	Up to 150 miles	Up to 200 miles
Overall Length	29'	29'
GVWR	26,000 lbs	26,000 lbs
Max Speed	68 mph	68 mph
Peak Motor Torque Rating	2,400 Nm / 1,770 ft-lbs	2,400 Nm / 1,770 ft-lbs
Gradeability	20%	20%
Battery Technology	Lithium iron phosphate	Lithium iron phosphate
Battery Capacity	158 kWh	237 kWh
Charge Time, J1772 AC <sup>1</sup>	5.3 hours	8 hours
Charge Time, CCS1 DC <sup>2</sup>	1.5 hours	2 hours
Regenerative Braking	Configurable	Configurable

<sup>1</sup>10 - 90% charge using 240V 80A EVSE  
<sup>2</sup>10 - 90% charge using 500V 200A EVSE

### Additional Options

- » Incentives and tax rebates available
- » Leasing and financing
- » Charging infrastructure and installation

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### About Motiv Power Systems

Founded in 2009 and headquartered in the San Francisco Bay Area, Motiv Power Systems delivers medium-duty 2-6 ton payload commercial battery-electric trucks and buses, along with charging infrastructure and guidance for deploying commercial fleets.

Specializing in electric step vans, shuttle buses, and box trucks, Motiv is a leading provider of daily-use zero-emission vehicles for moving people and moving goods that are the “backbone of modern commerce” with 98 percent uptime and intense customer-driven focus.

The company’s solutions offer fleets up to 85 percent operations and maintenance cost savings in addition to providing operators and riders a healthier and more comfortable experience without polluting the communities they serve. For more information about the company’s products, services, or career opportunities, please visit [motivps.com](http://motivps.com).



For more information or to order a Motiv electric vehicle, please contact:

#### Motiv Power Systems

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