



Step vans are great candidates for electrification, due to their last-mile, fixed route operations and return-to-depot patterns. All-electric step van fleets can include pick up / delivery, linen, food / beverage, regional haul, lease / rental, and more.

Motiv Power Systems has been electrifying step vans serving communities as the backbone of modern commerce since 2015. Motiv customers include AlSCO, Aramark, Bimbo Bakeries, Cintas, Giant Food, FedEx Ground, and Purolator.

Features & Benefits

- » Up to 85% operating and maintenance savings
- » More than 170 vehicles and 2 million miles
- » Unique redundant high voltage safety systems protects operator and vehicle
- » Patented battery management software and active thermal battery management optimizes charging, cold weather performance, while maintaining highest level of system safety
- » 400V platform enables simplified and cost effective charging infrastructure installation
- » Proprietary Hill Hold technology ensures vehicle and driver safety
- » Customizable charge port location accommodates most charging infrastructure configurations
- » Highly integrated powertrain enhances serviceability with quick turnaround
- » Customizable regenerative braking settings for maximum range and operator comfort
- » Manual parking brake for state and federal compliance
- » 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
- » Multiple body configurations available
- »  Buy America compliant

Motiv Electric Vehicle Specifications

Motiv Platform	S	SL
Chassis Payload	Up to 12,800 lbs	Up to 11,600 lbs
16' Step Van Payload*	Up to 10,200 lbs	Up to 9,000 lbs
Range	Up to 150 miles	Up to 200 miles
P-Rating	P800 to P1200	P800 to P1200
Wheelbase	178", 208"	178", 208"
Overall Length	26' to 30'	26' to 30'
GVWR	Up to 22,000 lbs	22,000 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 ¹	5.3 hours	8 hours
Charge Time, CCS1 DC ²	1.5 hours	2 hours
Regenerative Braking	Configurable	Configurable

* Payload may be less depending on equipment installed

¹10 - 90% charge using 240V 80A EVSE

²10 - 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 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.



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

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