



# TROLLEY

ELECTRIFIED BY  
**MOTIV**



## EPIC F-53 CHASSIS SPECIFICATIONS

OEM PLATFORM	Ford F-53
MAX GVWR	26,000 lbs
BATTERY TECHNOLOGY	BMW i3 Lithium-ion
BATTERY CAPACITY	127 kWh
RANGE	105 miles
PEAK MOTOR POWER RATING	230 kW / 255 hp
PEAK MOTOR TORQUE RATING	2,400 Nm / 1,700 ft-lbs
GRADEABILITY	20%
MAX SPEED	65 mph
REGENERATIVE BRAKING	Standard
LEVEL 2 AC CHARGING	19.2 kW / J1772
50% CHARGE TIME	~2.5 hours
75% CHARGE TIME	~4 hours
100% CHARGE TIME	~8 hours
LEVEL 3 DC FAST CHARGING	60 kW / CCS

## FEATURES AND BENEFITS

- Up to 85% operating and maintenance savings
- Utilizes industry-proven EV batteries validated through millions of real world miles to ensure long life and inexpensive replacement costs
- Independent battery control improves reliability and performance
- Acceleration and hill climbing performance comparable to combustion-powered vehicles
- Over-the-air software updates for new features and functionality
- Full welded steel cage framing, enclosed or open air body style
- Can be produced with elegant vintage features such as spiral brass, mahogany, and leather grab straps, or finished with mass transit features for durability



Trolley Electrified by Motiv



EPIC F-53

## ABOUT MOTIV POWER SYSTEMS

Founded in 2009 and headquartered in the San Francisco Bay Area, Motiv Power Systems is the leading provider of proven software to electrify medium-duty trucks and buses. We are freeing fleets from fossil fuels by providing a seamless pathway to electrification.

Motiv's 5th generation software platform is Ford eQVM-approved, CARB-certified, uses high-volume commercial-scale batteries, and is available for many configurations including step vans, box trucks, work trucks, shuttle buses, school buses, trolleys, and other specialty vehicles.

Motiv has over 100 vehicles on the road, operating at over 99% uptime, and more than one million miles logged among several of the largest fleets in North America. Our EPIC chassis offer fleets up to 85% operation and maintenance cost savings as well as providing operators with a healthier, smoother, and quieter driving experience.



## MOTIV POWER SYSTEMS

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