



eM2

eMobility That Thinks Outside the Box Truck

The Freightliner® eM2 delivers nimble performance and capability in the emissions-free package our customers want for urban settings. It's the result of our commitment to develop world-class, all-electric commercial vehicles that will reduce emissions and deliver value to our customers day after day.

As part of Daimler Truck North America, Freightliner is able to utilize the global engineering expertise of Daimler Truck to bring this practical, game-changing technology to market. Following a highly collaborative process with our customers, the eM2 entered production in 2023. It brings a clean commercial transportation solution to reality that has a positive impact on our customers and the industry as a whole.

Emissions-free and highly maneuverable, the eM2 is the rare welcome addition to a city's congested streets.

Horsepower	Up to 255 HP (188 kW)
Typical Range	180 or 250* miles
Usable Capacity	194 kWh or 291 kWh
Recharge	80% in ~60 min.
GVWR	26K to 33K lbs.

- Based on one of North America's most in-demand medium-duty truck designs
- Ideal for local distribution, pickup and delivery, food and beverage delivery and last-mile logistics applications
- Routes under 250* miles
- Warehouse to final destination
- With learnings from a highly collaborative process with our customers, the eM2 is now in factory production and available to order today
- Quiet, comfortable and easy to drive



Freightliner eM2

CLASSIFICATION	VEHICLE PLATFORM	eM2	
	CLASS	CI6	CI7
	WHEEL CONFIGURATION	4x2	
POWERTRAIN	AVAILABLE POWER RATINGS	190 HP	255 HP
	USABLE BATTERY CAPACITY	194 kWh	291 kWh
	ELECTRICAL SYSTEM	Nominal 400V	
	PROPULSION SYSTEM	Detroit eAxe single-motor	Detroit eAxe dual-motor
	CHARGING POWER	Up to 180 kW	
	CHARGING: CCS 1 @ 200A (0-80%)	~130 min	~200 min
	CHARGING: CCS 1 @ 400A (0-80%)	~60 min	~90 min
GENERAL DIMENSION & WEIGHT	LENGTH	391"	
	WIDTH	100"	
	HEIGHT	With Roof Deflector: 137.4" With Aero Roof Device: 102.5"	
	WEIGHT	12,980 lbs	16,230 lbs
	BBC	106"	
	WHEEL BASE	215" - 270"	
	WHEEL CUT	55 degrees	
	TURNING RADIUS	397"	
	GVWR	26,000 lbs	33,000 lbs
CHASSIS	WHEEL RIM	22.5"	
	TIRES	Size: 11 R22.5 or similar Supported Brands: Michelin, Bridgestone, Continental, Hankook	
	HUBS	Conmet Preset Plus Premium Aluminum Hubs	
	SUSPENSION	12,000 lb Dual Taperleaf Front Suspension 21,000 lb Rear Suspension	
	BRAKES	Meritor Air Disk Brakes	
	CHARGE PORT LOCATION	Left Hand Side, Under Cab	
	CHARGE PORT LOCATION OPTIONS	Beside Cab (11 ft from nose) or 3 ft Behind Rear Axle	
PERFORMANCE	USE CASE	Pick-up & Delivery, Final Mile	Pick-up & Delivery, Food & Beverage, Local Distribution
	TOP SPEED	65 mph standard; option for 74 mph	
	TYPICAL RANGE*	180 miles	250 miles
	ePTO	HV battery pack available for refrigerator unit power	
	GROUND CLEARANCE (APPROACH / DEPARTURE ANGLE)	13"	
OTHER	SOP	Available Today	
	WARRANTY	Base (vehicle): 3 yr / 150k miles Powertrain: 5yr / 150k miles	



Right-sized Innovation

The eM2 is large enough for regular deliveries, small enough to get in and out easily, and provides the power, torque, range and charging capabilities you need. It's an ideal vehicle where dedicated, repeatable routes are the norm, as well as for pickup and delivery. This is the daily driver that drives your business.

A Proven Manufacturer

At Freightliner, cutting-edge design, engineering and manufacturing is nothing new. We apply the same processes, skill and efficiencies in building our electric trucks as we do in producing our industry-leading heavy- and medium-duty commercial trucks in volume. With the largest dealer and service network in North America, we offer unparalleled access to parts, support and factory-trained technicians.