



eCASCADIA

Leading the Charge in eMobility

The Freightliner® eCascadia® delivers the outstanding performance and capability our customers expect in an emissions-free package they have been asking for. 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 utilizes the global engineering expertise of Daimler to bring this practical, game-changing technology to market. Having completed a highly collaborative process with our customers, the eCascadia has entered full-scale production. It will bring a clean commercial transportation solution to reality that will have a positive impact on our customers and the industry as a whole.

While its electric drive is revolutionary, its foundation is legendary. The eCascadia is built on North America's best-selling class 8 on-highway platform with millions of miles of proven performance. It has earned a reputation for efficiency and capability, making it the choice of drivers and owners who demand more for their money. The eCascadia does not disappoint.

Horsepower	up to 470 hp (350 kW)
Typical Range	230 MILES*
Usable Capacity	291 kWh or 438 kWh
Recharge	80% in ~90 min.

- Short-haul, last-mile logistics
- 82,000-lb. maximum gross combined weight
- Heavy-duty highway tractor designed for local and regional distribution and drayage
- Warehouse to warehouse
- Start of production began in late 2022 at our Portland Truck Manufacturing Plant which is a zero-waste-to-landfill facility and will be powered by 100% clean energy



Freightliner eCascadia

CLASSIFICATION	VEHICLE PLATFORM	eCascadia		
	CLASS	C18		
	WHEEL CONFIGURATION	4x2		6x4
POWERTRAIN	AVAILABLE POWER RATINGS	Low: 320 HP High: 395 HP		Low: 425 HP High: 470 HP
	USABLE BATTERY CAPACITY	291 kWh	438 kWh	438 kWh
	ELECTRICAL SYSTEM	Nominal 400V		
	PROPULSION SYSTEM	Detroit eAxle single drive		Detroit eAxle tandem drive
	CHARGING POWER	Up to 180 kW	Up to 270 kW	Up to 270 kW
	CHARGING: CCS1 @ 200A (0-80%)	~200 min	~300 min	~300 min
	CHARGING: CCS1 @ 400A (0-80%)	~90 min	~150 min	~150 min
	CHARGING: CCS1 @ 600A (0-80%)	N/A	~90 min	~90 min
	GENERAL DIMENSION & WEIGHT	LENGTH	273"	
WIDTH		100.7"		
HEIGHT		With Roof Deflector: 157.4" With Aero Roof Device: 116.2"		
WEIGHT		16,350 lbs	18,750 lbs	21,800 lbs
BBC		116"		
WHEEL BASE		166"		190"
WHEEL CUT		50 degrees		
TURNING RADIUS		265"		299"
MAX GCW		65,000 lbs		82,000 lbs
CHASSIS		WHEEL RIM	22.5"	
	TIRES	Size: 275/80 R22.5 Radial or Similar Supported Brands: Michelin, Bridgestone, Continental, Goodyear, Hankook		
	HUBS	Conmet Preset Plus Premium Aluminum Hubs		
	SUSPENSION	12,500 lbs Front Air Suspension 21,000 lbs Rear Suspension		13,300 / 12,500 lbs Front Air Suspension 40,000 lbs Rear Suspension
	BRAKES	Meritor Air Disk Brakes		
	CHARGE PORT LOCATION	Left Hand Side, Under Cab		
	DISTANCE: NOSE TO CHARGE PORT	10 ft 10 in		
	PERFORMANCE	USE CASE	Regional Haul, Drayage/Intermodal, Pick-up & Delivery, Last Mile, Food & Beverage, Hub to Hub	
TOP SPEED		65 mph standard; options up to 74 mph		
TYPICAL RANGE*		155 miles (291 kWh pack)	230 miles (438 kWh pack)	220 miles (438 kWh pack)
GROUND CLEARANCE (APPROACH / DEPARTURE ANGLE)		9"		
OTHER	INTERIOR	Same as Cascadia, Full Digital Dual-Screen HMI, eTruck Trim / Details		
	WARRANTY	Base (vehicle): 3 yr / 150k miles Powertrain (291 kWh pack): 5yr / 150k miles Powertrain (438 kWh pack): 5yr / 300k miles		



Beyond Electric

eCascadia means business, but never at the expense of driver safety or comfort. Thorough and thoughtful features include a sloped hood for better visibility, an ergonomic wraparound dash, steering wheel and column with integrated controls and power adjustable seat. When you factor in industry-leading aerodynamics, a suspension that lowers at speed to reduce drag and the mere presence of the Freightliner badge, you get a truck that's the envy of the road.

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.