



Enviro500EV CHARGE

BATTERY-ELECTRIC DOUBLE DECK BUS

The all-electric Alexander Dennis Enviro500EV CHARGE double deck bus delivers cleaner cities, quieter streets, zero emissions and lower operating costs.

With rapid charging batteries located in the chassis and at the rear of the vehicle for a low centre of gravity and great stability, it features a reversible HVAC system incorporating an all-electric heat pump which increases the vehicle range on cold days and a hub motor axle to reduce weight and improve efficiency.



Features and benefits

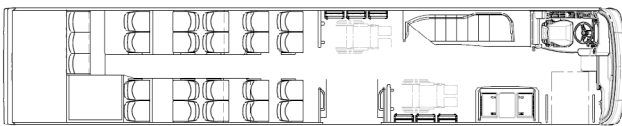
- Zero emission
- Buy America-compliant
- 13'6" height allows it to operate in virtually every part of the USA and Canada
- Supported by Alexander Dennis and NFI Parts
- 2 ADA-compliant wheelchair positions
- Fully air-conditioned



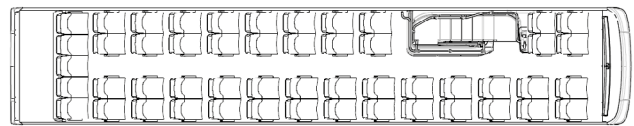
Technical specifications

Dimensions	43'3" (13.18m) length over body / 8'3" (2.52m) width / 13'6" (4.12m) height
Gross vehicle weight	60,878lbs (27,600kg)
Passenger capacity	Up to 82 seats (53 upper deck, 29 lower deck)
Headroom	6'6" (1.98m) lower deck / 5'7" (1.70m) upper deck
Accessibility	2 ADA-compliant wheelchair positions accessed via powered ramp at front door
Climate system	Fully air-conditioned with reversible HVAC system incorporating all-electric heat pump
Electric motors	Axle-mounted motors, 2x125kW peak output power, 2x11,000Nm maximum output torque
Battery system	Modular configurations for different range requirements, standard 648kWh
Charging system	J1772 CCS1 single port, up to 150kW continuous charge rate
Operational range	Up to 250 miles, depending on operational conditions and charging strategy
Axles	ZF RL75A front axle / ZF AxTrax drive axle / ZF RL75A steered tag axle
Tires	305/70R22.5

Sample seating layout



Lower deck with 23 fixed seats, 6 tip-up seats + 2 wheelchair positions



Upper deck with 53 seats