

ENVIRO500EV CHARGE

North America



The all-electric **Alexander Dennis Enviro500EV CHARGE** double deck bus delivers cleaner cities, quieter streets, zero emissions and lower operating costs. It reduces noise pollution and its full independent front suspension provides a smooth and comfortable ride for drivers and passengers alike. 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.

Designed for the U.S. and Canadian markets, the Enviro500EV CHARGE is built in North America and is Buy America compliant.

Vehicle type	Pure electric, zero emission double deck bus
Construction	Welded stainless steel chassis and aluminium body
Dimensions	43'3" (13.18m) length over body / 8'3" (2.52m) width / 13'6" (4.12m) height
Passenger capacity	Up to 82 seats (53 in upper saloon, 29 in lower saloon)
Accessibility	2 ADA compliant wheelchair positions
Electric motors	Axle-mounted motors, 2×125kW peak output power, 2×11,000Nm maximum output torque
Battery system	Modular configurations for different range requirements, standard configuration 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
Front axle	Full IFS for enhanced ride quality and stability, 17,637lbs (8,000kg) capacity, 50° lock angle
Drive axle	Electric drive axle with integrated motors, 25,534lbs (11,600kg) capacity
Tag axle	17,637lbs (8,000kg) capacity
Gross vehicle weight	60,878lbs (27,600kg)
Steering	Concentric electric power-assisted steering
Climate system	Fully air conditioned with reversible HVAC system incorporating all-electric heat pump