



Enviro500EV

THE GLOBAL PEOPLE-MOVER

The Alexander Dennis Enviro500EV is the zero-emission bus to move large crowds on busy urban and commuter services. Part of the next generation of Alexander Dennis zero-emission buses, this reliable and efficient high-capacity double decker has a future-proof battery system that allows you to benefit from improvements in battery technology.

The Enviro500EV cuts a striking figure wherever it goes and delivers for your business, your customers and the environment.



Features and benefits

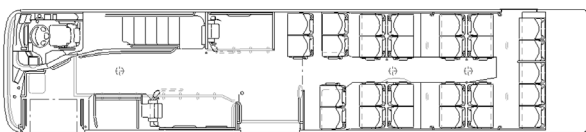
- Designed and built by Alexander Dennis
- AD24 whole-vehicle aftermarket support
- Next-generation electric driveline
- Future-proof battery system
- Meets requirements for urban buses (RUB)
- Up to 86 seats
- Up to two wheelchair spaces
- Wide range of specification options



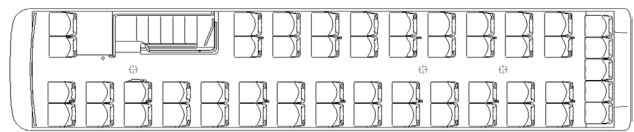
Technical specifications

Construction	Welded steel chassis and aluminium body
Dimensions	12m length / 2.55m width / 4.3m height
Passenger capacity	Up to 86 seats / 100 passengers total capacity
Accessibility	Up to two wheelchair spaces accessed via manual ramp at front door
Electric motor	Voith Electrical Drive System HD, 410kW peak and 310kW continuous power
Battery system	Impact NMC lithium-ion battery, 472kWh
Charging system	150kW DC CCS2 plug charging
Operational range	Subject to duty cycle operating conditions
Solar panels	Optional roof-mounted solar panels to reduce auxiliary energy consumption
Climate system	Full air conditioning with zero emission heat pump for heating and cooling
Axles	ZF axles with electric power-assisted steering and optional tag axle steering
Brakes	Knorr-Bremse electric compressor and brake system

Sample seating layout



Lower deck with 27 fixed seats and 2 wheelchair spaces



Upper deck with 55 seats