



Enviro400EV

THE CROWD-SHIFTER

The Alexander Dennis Enviro400EV is the battery-electric double deck bus to move the crowds on busy urban corridors and interurban expresses. Part of the next generation of Alexander Dennis zero-emission buses, this reliable and efficient double decker has a future-proof battery system that allows you to benefit from improvements in battery technology. The Enviro400EV cuts a striking figure wherever it goes and delivers for your business, your customers and the environment.



Features and benefits

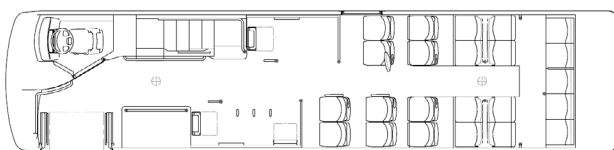
- Designed and built by Alexander Dennis
- AD24 whole-vehicle aftermarket support
- Next-generation electric driveline
- Future-proof Alexander Dennis battery system
- Up to 260 miles range on a single charge
- Up to 96 passengers total capacity
- Enhanced active and passive safety
- Wide range of specification options



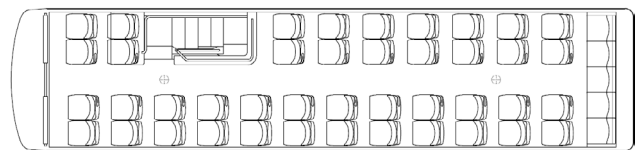
Technical specifications

Construction	Welded steel chassis and aluminium body
Dimensions	11.1m length / 5.9m wheelbase / 2.55m width / choice of 4.2m and 4.3m height
Tyres	275/70 R22.5
Passenger capacity	Up to 96 passengers with up to 80 seats (51 in upper deck, 29 in lower deck)
Seating	Alexander Dennis SmartSeat or choice of other solutions
Accessibility	1 or 2 wheelchair spaces accessed via manual or electric ramp at front or centre door
Electric motor	Voith Electrical Drive System HD, 410kW peak and 310kW continuous power
Battery system	Alexander Dennis NMC lithium-ion battery, 354kWh or 472kWh
Charging system	Dual-sided CCS2 DC charging at up to 150kW, optional roof-mounted charging rails for 300kW opportunity charging via pantograph
Operational range	Up to 195 miles (354kWh battery) or 260 miles (472kWh battery) range on a single charge at beginning of life
Climate system	Forced air circulation with zero-emission heat pump for heating and cooling

Sample seating layout



Lower deck with 23 fixed seats, 3 tip-up seats and 2 wheelchair spaces



Upper deck with 47 seats