



ALEXANDER
DENNIS

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

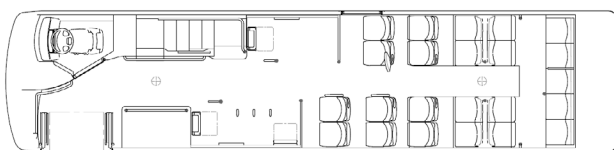
- Designed and built by Alexander Dennis
- AD24 whole-vehicle aftermarket support
- 5-year standard vehicle warranty
- Up to 1.6GWh warrantable energy throughput
- 0.67kWh/km energy efficiency in UK Bus Cycle
- Up to 260 miles range on a single charge
- Up to 96 passengers total capacity
- Enhanced active and passive safety



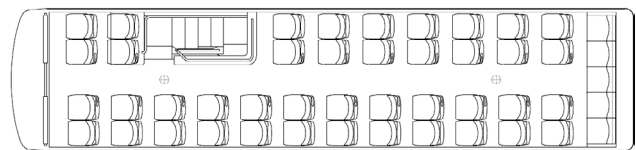
Technical specifications

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
Manoeuvrability	10.8m turning radius
Tyres	275/70 R22.5
Passenger capacity	Up to 96 passengers with up to 80 seats (51 in upper deck, 29 in lower deck)
Accessibility	1 or 2 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, 354kWh or 472kWh
Charging system	CCS2 DC plug charging at up to 150kW nominal power with sockets mounted on either or both sides of the vehicle, optional roof-mounted rails for pantograph charging at up to 177kW (354kWh battery) or 200kW (472kWh battery)
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 + 2 wheelchair spaces



Upper deck with 47 seats