



# 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

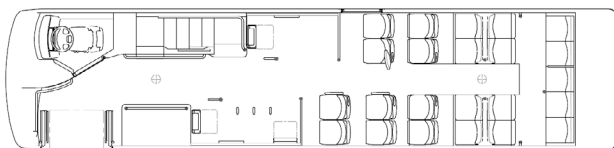
- Designed and built by Alexander Dennis
- AD24 whole-vehicle aftermarket support
- 5-year standard vehicle warranty
- 12-year extended battery warranty
- Up to 1.4GWh total energy throughput
- Up to 260 miles range on a single charge
- Up to 96 passengers total capacity
- Enhanced active and passive safety



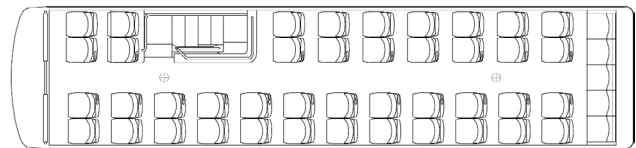
## Technical specifications

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