

Enviro400EV

The crowd-shifter



 United Kingdom

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 + benefits



Up to 96 passengers total capacity



Fully built in Britain



Up to 15 years battery warranty

0.67kWh/km

Energy efficiency in UK Bus Cycle



AD24 whole-vehicle aftermarket support

97%

Grid-to-wheel efficiency

Enviro400EV

Technical specifications

Dimensions + weights

Length	11.1m
Width	2.55m
Height	4.2m or 4.3m
Headroom	2.01m lower deck / 1.74m or 1.84m upper deck
Wheelbase	5.9m
Overhang	2.7m front / 2.4m rear
Turning radius	10.8m
Tyre size	305/70R22.5
Unladen weight	approx. 13,650kg, depending on specification
Gross vehicle weight	19,500kg

Seats + passengers

Number of seats	Up to 80 seats (51 upper deck / 29 lower deck)
Total capacity	Up to 96 passengers
Seat type	Lazzerini Pratico or choice of other suppliers
Accessibility	1 or 2 wheelchair spaces accessed via manual ramp at front door
Climate system	Air-conditioning with zero-emission heat pump

Driveline

Electric motor	Driventic heavy-duty Vehicle Electrical Drive System (VEDS HD)
Rated power	410kW peak and 310kW continuous power
Battery system	472kWh Impact NMC lithium-ion battery
Charging system	CCS2 DC plug charging with sockets mounted on either or both sides of the vehicle Optional roof-mounted rails for pantograph charging
Operational range	620km/385mi theoretical range in UK Bus Cycle at beginning of life



Sample seating layout

Lower deck

- 23 fixed seats
- 2 tip-up seats
- 2 wheelchair spaces

Upper deck

- 47 seats

