ALEXANDER DENNIS

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	275/70R22.5
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

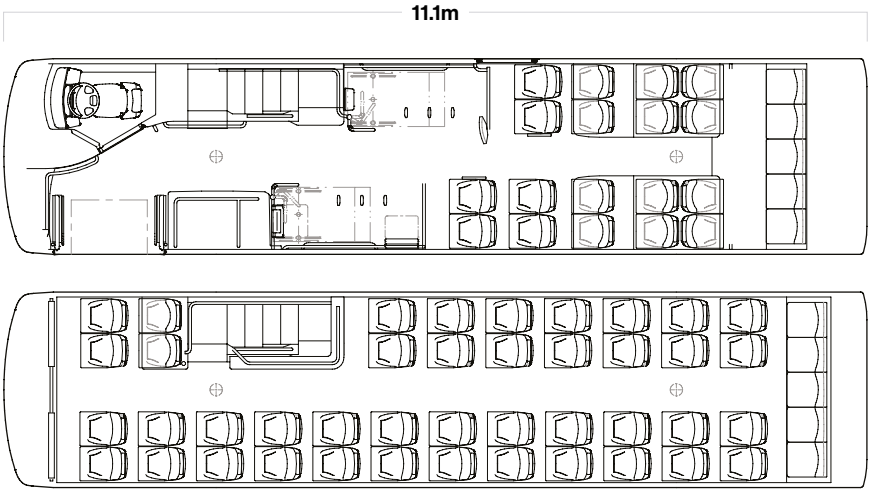
Sample seating layout

Lower deck

23 fixed seats
2 tip-up seats
2 wheelchair spaces

Upper deck

47 seats



Alexander Dennis has a policy of continuous development and reserves the right to change specifications at any time without prior notice. For the latest details always consult Alexander Dennis.

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