



ALEXANDER
DENNIS
BYD

BYD AD Enviro400EV

BATTERY-ELECTRIC DOUBLE DECK BUS

The BYD–Alexander Dennis Enviro400EV is the pure electric, zero-emission double deck bus using the proven combination of BYD battery technology with stylish bodywork and interior by Alexander Dennis.

Britain’s best-selling electric double decker is available to Transport for London specification for routes in the British capital, as well as in operators and other authorities’ individual specifications for service elsewhere in the UK and Ireland.



Features and benefits

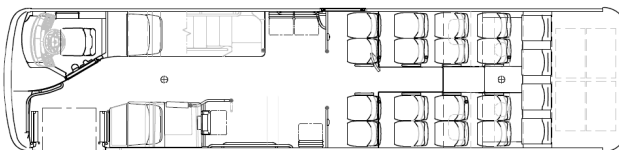
- Reliable BYD driveline and battery technology
- Adaptable Alexander Dennis body and interior
- Over 1,500 BYD–Alexander Dennis buses in UK and Ireland
- Technology proven in 70,000 buses worldwide
- Up to 160 miles range on a single charge
- Wide range of specification options



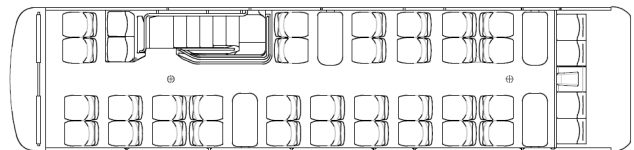
Technical specifications

Construction	Welded steel chassis and aluminium body
Dimensions	Choice of 10.3m and 10.8m length / 2.55m width / choice of 4.2m and 4.3m height
Tyres	275/70 R22.5
Passenger capacity	Up to 87 passengers with up to 72 seats (43 in upper saloon, 29 in lower saloon)
Seating	Alexander Dennis SmartSeat or choice of other solutions
Accessibility	1 or 2 wheelchair spaces accessed via manual ramp at front door or electric ramp at centre door
Electric motors	Two BYD motors integrated in drive axle, max. power 2×150kW
Battery system	BYD lithium-iron-phosphate battery technology, 339kWh (10.3m) or 375/382kWh (10.8m)
Charging system	112kW DC plug charging with option of 300kW roof-mounted charging rails
Operational range	Up to 160 miles on a single charge, depending on duty cycle and operating conditions
Climate system	Forced air circulation with zero-emission heat pump for heating and cooling

Sample seating layout



10.8m length lower deck with 22 fixed seats, 4 tip-up seats + 1 wheelchair space



10.8m length upper deck with 38 seats + 4 tables