



AUSTRALIAN OWNED & DESIGNED



CHALLENGER ELECTRIC LOW FLOOR

The Challenger Electric Low Floor is a next-generation urban transit solution, engineered to support the transition to sustainable public transport.

Powered by a fully electric drivetrain, it delivers zero tailpipe emissions, reduced operating costs and a quiet, comfortable passenger experience. With capacity for up to 80 passengers and a fully accessible low-floor design, the vehicle is purpose-built for route and urban transport applications. Combining advanced technology with Challenger's commitment to innovation, the Electric Low Floor offers operators a practical and future-focused solution for modern passenger mobility.

QUALITY | RELIABILITY | DURABILITY | FLEXIBILITY

ELECTRIC LOW FLOOR Specifications


ROUTE SERVICE

VEHICLE DIMENSIONS

Body Length (m)	12
Body Width (m)	2.5
Body Height (m)	3.3
Weight (GVM)	18000kg
Minimum ground clearance (mm)	160

BODY SPECIFICATIONS

Chassis/Frame Material	Stainless Steel
Body Material	Aluminium & Composite Panels
Door	Pneumatic Double Inwards Swing (Front and middle)

ENGINE

Make/Model	Dana TM4MD130B
Configuration	Electric
Power (kW)	145-245kW
Torque (Nm)	1100/3329Nm
Max RPM	3000

PERFORMANCE/BATTERY

Max Speed	80km/ph
Range	400+kms
Battery Make	CATL
Voltage / Amp Hrs	3.22V 302AH
Battery Capacity	350kW
Battery Location	Top & Rear of vehicle
Charing Rate	3-4 Hrs
Auxiliary Battery	2 x 12V 120AH

SUSPENSION

Type - Front	Independent 2 air bag
Type - Rear	Independent 4 air bag

BRAKES/TYRES

Service Brakes	Disc with EBS, ESC
Retarding Brake System	Fitted
Tyres	Westlake 275/70R 22.5
Rims	Aluminium

AXELS

Front/Rear Make/ Model	8.2T / 13T Independent ZF
Steering System	Bosch

AIR CONDITIONING

Make	Thermoking Heating and Cooling
Model	CS1100

SEATING CONFIGURATIONS

Configuration	37-41 Seated / 80 with standing passengers
Seating Make	Fainsa as standard (Other priced upon request)
Seating Type	Metro
Seating Options	Fabric - Faux Leather or Cloth
Configuration	1 Drivers Seat 37 Fixed Passenger seats 4 Foldings Seats 2 Wheelchair/ Disability Spaces

STANDARD VEHICLE FEATURES

Internal Features (Drivers Area)	Digital Mirrors (Physical mirrors available upon request) 360 Degree Camera Vehicle monitoring Reversing Camera 4 Channel CCTV with viewing screens Lane Departure warning Cruise Control Multimedia player system Electronic Blinds Multifunctional Steering Wheel Digital Dash Instrument Gooseneck Microphone LED Destination Board (Front, Rear & Side)
Internal Features (Passenger Area)	LED passenger lighting On Board WiFi USB Charging Passenger Grab rails and handles Luggage Storage Space
External Features	2 piece front Windscreen Tinted Windows Manual Wheelchair Ramp (at middle door) Lift up wheel arches DC Double charging socket

ELECTRIC LOW FLOOR SEAT LAYOUT

