

# CUSTOM DENNING®

## ELEMENT 2

Australia's Electric Bus



# ELEMENT 2

The Element 2 is the second generation of Australia's designed and built electric bus. The Element (BEV) features a state-of-the-art electric motor and lithium-ion NMC batteries. The Element will come in Fuel Cell (FCEV) and Autonomous (ADAS Level 4) versions. All models feature intelligent battery monitoring, advanced driver assistance, pedestrian and collision avoidance, and intelligent monitoring system with live streaming of data.

## Body work

Length	12.0m
Width	2.5m
Seats	45
Standees	37
Body structure	EN 1.4003 stainless steel
Side panels	2mm aluminium side panels with pultruded fibreglass detachable skirts
Front	Fibreglass 3-piece front
Rear	Fibreglass 3-piece rear
Exterior lighting	All lights LED including headlamps

## Electrical drive system

Electric drive motor	ZF Cetrax 300kW / 4500Nm
Battery type	Lithium-ion NMC
Battery capacity	5x 76kWh 382kWh total
Charging system	CCS2 combined charging plug

## Chassis

Front axle	ZF RL82A
Rear axle	ZF AV133
Brakes	Knorr with wear sensors
Steering system	TRW/ZF
Hydraulic pump – Power steering	HV pump
Suspension	ZF
Suspension control	Wabco ECAS
Brake control	Wabco EBS
Stability control	Wabco ESP
Air compressor	HV Compressor

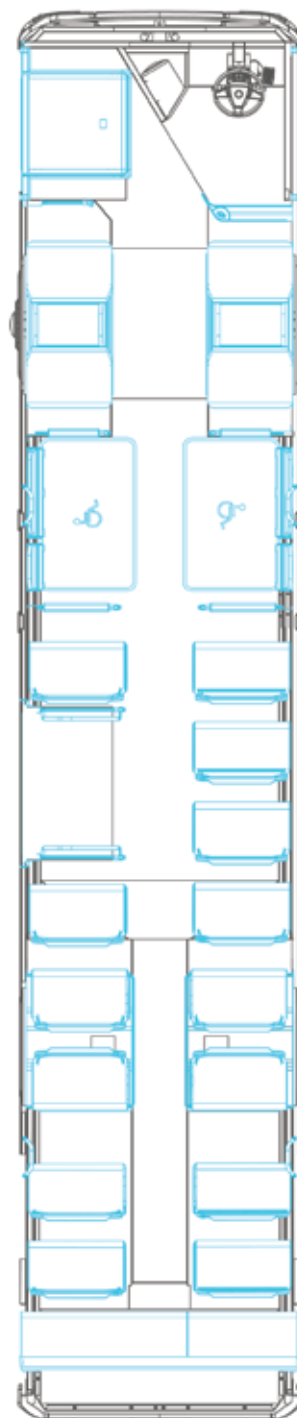
## Air conditioning

Air conditioning	Valeo Revo-E Global
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## Passenger door system

Front	Ventura Electric 1250mm inward glide
Rear	Ventura Electric 1250mm plug slide

## Seat layout



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