



# NexGen Bus

The NexGen 12.5m electric bus – available in 1 door and 2 door configurations – is the first public transport bus with no batteries on the roof. With a battery capacity of 378kWh (upgradable to 453kWh) and compatible with plug in (left and or right side) and pantograph charging, the NexGen bus can carry up-to 79 passengers.

The sleek new design offers greater aerodynamic stability (even at high speeds), safer cornering and improved driver visibility as well as enhanced passenger ride experience.

ADAS L1 standard, can upgrade to ADAS L2

First 12.5m bus with no batteries on the roof

Greater aerodynamic stability

Safer cornering due to low center of gravity

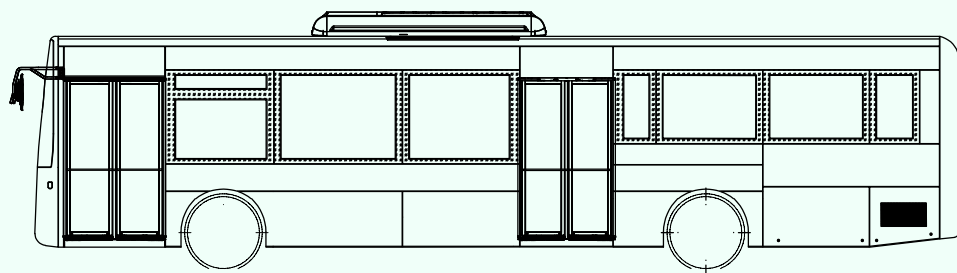
One of the lightest chassis on the market

Roomier and brighter interior cabin

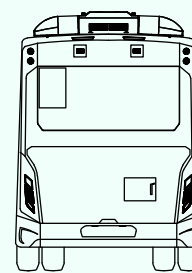
Ergonomically designed driver cabin

Comprehensive aftercare & warranty package

# NexGen Bus – Technical specifications & features



Side view



Rear view

<b>Dimensions (L X W X H) mm</b>	12500 X 2500 X 3400
<b>Wheelbase (mm) + Overhang (Front mm/Rear mm)</b>	6490 + 2427/3310
<b>Minimum Ground Clearance/Turning Radius</b>	244/<=20.34
<b>Approach/Departure Angle (Deg)</b>	8/8
<b>Curb Weight/Gross Vehicle Mass (kg)</b>	12400/18000
<b>Battery Type (OEM/Chemistry)</b>	CALB/LFP
<b>Battery Capacity (kWh)/Range (kms)</b>	378 (Upgradeable to 453)/430
<b>Battery Cooling</b>	Integrated with A/C system
<b>Standard Voltage (V)</b>	580
<b>Charge Rate (kWh)</b>	Single Inlet – 120kWh/Dual Inlet – 240kWh
<b>Charging System/Location</b>	CCS2 DC/LHS (RHS or front is optional extra)
<b>Drive System</b>	Danfoss Motor (ED-DT318B-PT3050E-600V) + Controller; Rated/Peak power 180/250kWh
<b>Maximum Torque (NM) – Rated/Peak</b>	61760/3050
<b>Standard Safety inclusions</b>	Lane Departure Warning, Forward Collision Alert, Pedestrian Collision Alert, Headway Monitoring Alert, Speed Limit Warning, Driver Monitoring System, Blind Spot Monitoring, CCTV, 360° Camera, Fire Suppression System
<b>Optional Safety Features</b>	Intelligent High beam Control, Intelligent Speed Adaptation, AEBS, Adaptive Cruise Control
<b>Rear Axle Type</b>	GK Drive BRA130C
<b>Load Capacity</b>	13T
<b>Front Axle Type</b>	GK Drive BFA80I
<b>Load Capacity</b>	8T
<b>Tyre Size</b>	295/80R22.5 Michelin
<b>Wheel</b>	22.5x8.25 Aluminum alloy
<b>Suspension Type</b>	Air Suspension, Front 2/Rear 4 with ECAS
<b>Brake Type</b>	Disc brake
<b>Regenerative Braking</b>	Standard
<b>EBS</b>	Standard
<b>ABS</b>	Standard

