

V O L V O

Go electric with Volvo

VOLVO BZL ELECTRIC



Volvo Buses. Driving quality of life



A leader in electromobility

Sustainability beyond emissions

An electric bus has no tailpipe emissions. But there's so much more to sustainability than just that. Energy efficiency, manufacturing methods, responsible sourcing of materials and transparent declaration of the environmental impact in a lifecycle perspective. All of these are cornerstones in Volvo's global electromobility offer. Furthermore, we offer processes for a second life for the traction batteries. For instance, usage as energy buffers for solar power in residential complexes. For us at Volvo, environmental care is much more than just words.

A reliable business partner

At Volvo we see the delivery of the vehicle as the start of a long-term and mutually beneficial business partnership. And with Volvo as a partner you will benefit from our dedicated market teams, technical expertise and global network for logistics and parts supply. Buses are production units in the public transport industry. As such, they must be taken care of to be able to perform according to the schedule and operational plan. Volvo offers regular and optimised maintenance, swift parts supply as well as support and upgrades from an experienced supplier.

GO ELECTRIC WITH VOLVO

The new Volvo BZL Electric is the core of a responsible and productive electric bus system. Excellent performance, low energy usage and outstanding properties for efficient bodybuilding. With a Volvo fleet you share our 15 years of experience in electromobility, almost a century as a leading maker of heavy-duty vehicles and a service network with truly global reach. Add to that our superior safety standards. Welcome to the world of Volvo.

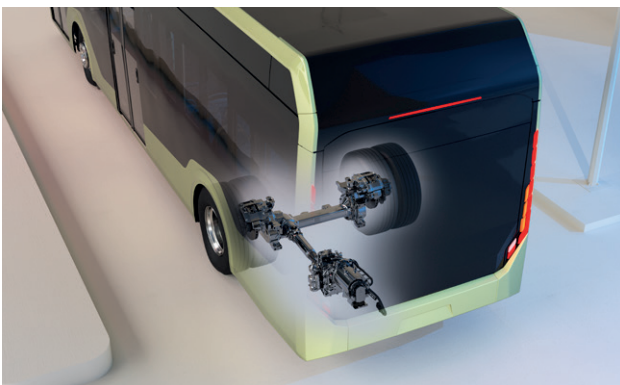


The Volvo BZL Electric single deck chassis offers outstanding flexibility for safe and efficient bodybuilding. Wheelbase and overhang can be adapted to fit each customer's requirements.



Electric vehicles of premium quality

Volvo has in-depth and broad-based experience of electromobility based on decades of co-operation with operators all over the world. Our vehicles are top-ranked in uptime, safety and energy efficiency, and our service network is well established on all continents. It all centres on our century-long legacy of innovative automotive engineering. Quality comes from within.



A first-class driving experience

The Volvo BZL Electric features single or dual 200 kW low-loss electric motors, delivering impressive torque and driveability for safe operation also in demanding uphill conditions. The two-stage automated gearbox also increases wheel torque at low speed and evens out current peaks, thus reducing energy usage and driveline wear.

Flexible charging and energy storage

Volvo offers charging flexibility by providing hardware interfaces for OppCharge high-power charging as well as CCS charging sockets. The energy storage can be configured and optimised to perfectly suit the operator's – and route's – specific needs.



Connectivity for uptime and safety

With the Volvo BZL Electric you can sign up for a range of value-adding connected services, such as Vehicle Status, Fleet Management and the unique Zone Management services, all supporting your uptime, productivity and safety.

Make sure it's Volvo inside

Volvo is a world-leading company in heavy commercial vehicles. All the chassis and driveline components in our vehicles are developed, designed and manufactured by Volvo, which means we take full responsibility for function and quality. That's also why we partner up with the best bodybuilders, safeguarding the premium qualities of our vehicles.

| Dimensions and weights | |
|---|--|
| Model | Volvo BZL Electric |
| Overall chassis length approx. (mm) | 11,815 |
| Transport wheelbase (mm) | 3700 |
| Frame height at rear structure (mm) | 935 |
| Overall width (mm) | 2500 |
| Permitted GVW (kg) | 19,500 |
| Driveline | |
| Electric motor, output max (kWh), one or two motors | 200/400 |
| Max wheel torque (Nm) | 19,000/31,000 |
| Gearbox | 2-speed automated manual transmission |
| Charging* | |
| Roof charging: OppCharge max charge power (kW) | 300 |
| CCS max charge power (kW) | 150 |
| * Max charge power depending on configuration of the energy storage system. | |
| Energy storage system | |
| Capacity (kWh) | Up to 470 |
| Traction battery | Lithium-ion battery (NCA). Automatically temperature-controlled. |
| Chassis including energy storage system module for roof mounting. | |

| Axles, suspension and steering | |
|--------------------------------|--|
| Front axle | Volvo RFS-L |
| Rear axle | ZF AV133 |
| Suspension | Air bellows, front and rear |
| Kneeling | Optional |
| Power steering | Electrically driven hydraulic steering |
| Tyres | 275/70 R22.5 |
| Rims | Steel and aluminium rims available |

| Brakes |
|---|
| Volvo disc brakes. Electronic Braking System (EBS5). Anti-lock Braking System (ABS). Acceleration Slip Regulator (ASR). Brake blending. Hill Start Aid. Electronic Stability Control (ESC). |

| Driver's environment |
|---|
| Volvo dashboard or limited dashboard, supplemented by bodybuilder. Dashboard moves with the steering column for height and tilt (Volvo dashboard). Instrument cluster, tachograph, data logging, Volvo Alcolock, outdoor temperature gauge. |

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Equipment that is shown or mentioned in the folder may be optional or available as an accessory and may vary from one country to another. We retain the right to alter product specifications without prior notification.