

**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.

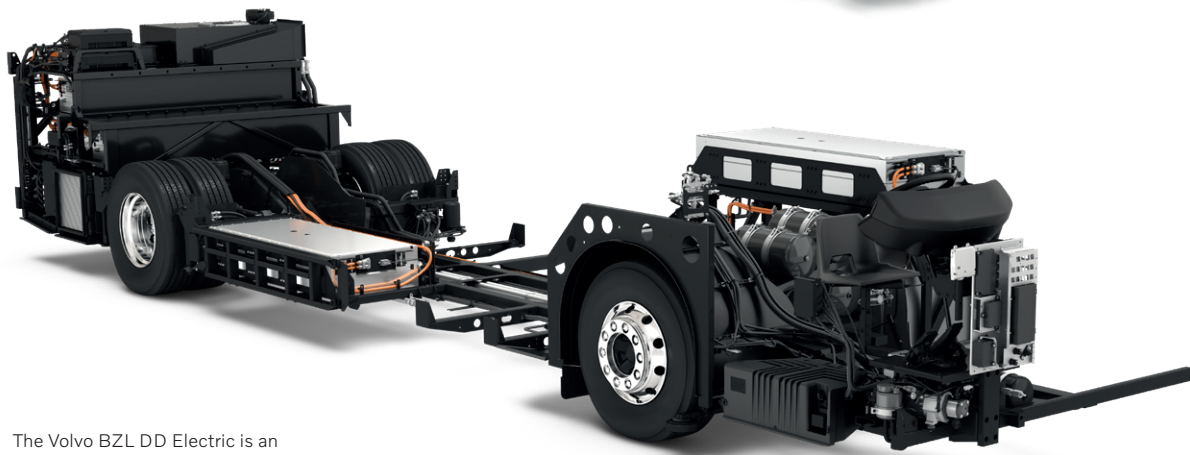


# GO ELECTRIC WITH VOLVO

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.



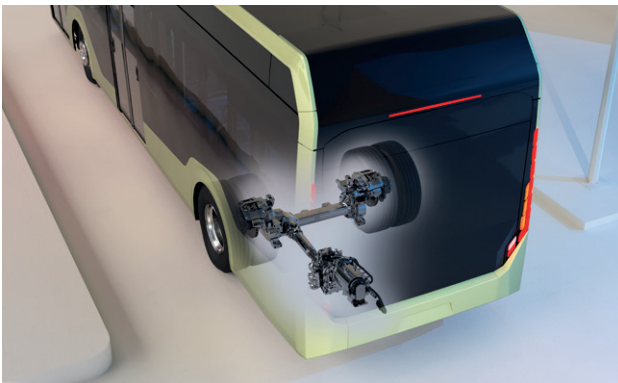
The Volvo BZL Electric single deck chassis offers outstanding flexibility for safe and efficient bodybuilding. Wheelbase and overhang can be adapted to fit each customer's requirements.



The Volvo BZL DD Electric is an extremely efficient chassis design with flexibility in energy storage size, thus supporting optimised operation.

# 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 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.

FEATURES

# 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	Volvo BZL DD Electric
Overall chassis length approx. (mm)	11,815	10,585
Transport wheelbase (mm)	3700	–
Wheelbase (mm)	–	5965
Frame height at rear structure (mm)	935	1695
Overall width (mm)	2500	2500
Permitted GVW (kg)	19,500	19,500
Driveline		
Electric motor, output max (kWh), one or two motors	200/400	200
Max wheel torque (Nm)	19,000/31,000	19,000
Gearbox	2-speed automated manual transmission	
Charging *		
Roof charging: OppCharge max charge power (kW)	300	300
CCS max charge power (kW)	150	150
* Max charge power depending on configuration of the energy storage system.		
Energy storage system		
Capacity (kWh)	Up to 470	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.	



# VOLVO

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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.