

# EBUSCO®

## 3.0





# EBUSCO 3.0

Not constrained by a past reliant on fossil fuel, Ebusco has a ground-breaking and unique approach to developing electric buses. A multifunctional team of key experts, who have earned their spurs in the field of aerospace, automotive and electronics, has developed an innovative fully electric bus which goes beyond all existing boundaries to redefine the world of public transportation: Ebusco 3.0.

Ebusco's new bus breaks the barriers of current bus design in our drive for sustainable public transport. Not only by using composite materials in the main structure of the body, but also in its approach to focus the design around passenger comfort, driver support and Total Cost of Ownership. Last but not least, it contributes to make the world we live in a safer and healthier place.



UP TO  
**700 KM**



WEIGHT REDUCTION BY  
**LIGHTWEIGHT COMPOSITE**



LOWEST  
**TCO**



EXTENDED LIFESPAN  
**UP TO 25 YEARS**

## PASSENGER COMFORT & SAFETY

Revolutionary design: more comfort due to the spacious and luxurious interior with considerable noise reduction.

A spacious and light bus with a completely flat floor because the batteries are built into the floor.

Panoramic window in roof as batteries are all mounted in the floor.

Increased freedom of movement, flexibility, passenger flow and timely operation of the bus due to an increased interior width, of up to 90 cm, between the wheel arches.

## DRIVER SUPPORT

Outside mirrors are replaced by cameras, increasing the safety and aerodynamics of the bus.

Automatically adjustable driver seat, dashboard and camera mirror systems 'fit' the driver's workplace around the driver.

Low centre of gravity as batteries are hidden in the floor, ensuring excellent straight line stability and exceptional steerability.

## REDUCED TOTAL COST OF OWNERSHIP

The Ebusco 3.0 is designed for overnight charging due to its light weight and high efficiency, offering a maximum flexibility in daytime route adjustments and allowing for charging during lower night-time energy rates.

A full composite body reduces maintenance costs considerably and extends the operational life span of the bus up to 25 years.

The light weight design increases its range substantially (up to 700 km).

# SPECIFICATIONS

Ebusco 3.0	12M	18M
Body type	Low entry / Low floor	Low floor
Door configuration	2 / 3 doors	3 / 4 doors
Passenger capacity	Up to 95 persons	Up to 150 persons
All aisle width	870 mm	870 mm
Kerb Vehicle weight	9500 kg	14500 kg
Length	12000 mm	18000 mm
Width	2550 mm	2550 mm
Height	3190 mm	3190 mm
Floor to ceiling height	2350 mm	2350 mm
Step-in height	340 mm	340 mm
<b>Electric drive</b>		
Maximum range	Up to 575 km	Up to 700 km
Maximum power	2x 125 kW	2x 125 kW
Maximum Torque	22000 Nm	22000 Nm
<b>Batteries</b>		
Cell chemistry	LFP	LFP
Pack capacity	>250 or >350 kWh	>350 or >500 kWh
<b>Axles</b>		
1st Axle Capacity	8165 kg	8165 kg
2nd Axle Capacity	10300 kg	8165 kg > 275 tyre
		10300 kg > 385 tyre
3rd Axle Capacity		8165 kg





# “WE HAVE DEVELOPED THE EBUSCO 3.0, A REVOLUTIONARY AND UNIQUE BUS THAT IS A GENUINE GAME CHANGER IN OUR INDUSTRY WORLDWIDE.”

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Peter Bijvelds, CEO Ebusco

Ebusco leads the electrification of public transport with innovative zero-emission buses by overcoming major obstacles to electrification and by being an industry innovator and first mover. Since 2012 we have been producing 100% zero-emission, fully electric buses. Thus we were the first European company to receive a European WVT certificate for a fully electric bus. With the Ebusco 3.0 we were also the first company in the world to deliver fully electric buses with a Total Cost of Ownership (TCO) lower than that of diesel buses. We are determined to stay one step ahead and to maintain our technological lead position by continuing to invest in research and development.



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