

EBUSCO®

MADE TO MOVE PEOPLE

3.0

CARBON BODY | 100% ELECTRIC | ZERO EMISSION



EBUSCO 3.0

GAMECHANGER IN THE BUS INDUSTRY

With a changing playing field, and the worldwide shift towards EV, Ebusco saw the need to revolutionize the industry standard. With a multifunctional team of key experts in the field of aerospace, automotive, and electronics, a completely new approach was taken in the development of electric buses, focusing on lightweight. The result of this approach: A lightweight bus with the lowest TCO in the market.

By using composite materials in the main structure, Ebusco has developed a lightweight bus that has an effect on multiple aspects. Not only does the Ebusco 3.0 have the most efficient energy consumption, in addition, the bus is equipped with single tires, features insulated walls for optimal climate control, and has an extended lifespan of up to 25 years. A design focused on drivers, passengers and all involved with the operation of the bus.



RANGE UP TO 700 KM

DRIVING A FULL OPERATION ON A SINGLE CHARGE



LOWEST TCO

IN THE INDUSTRY



WEIGHT REDUCTION UP TO 5,000 KG

DUE TO THE USE OF COMPOSITE MATERIALS



PERFORMANCE

REDUCED ENERGY CONSUMPTION



EXTENDED LIFESPAN

UP TO 25 YEARS

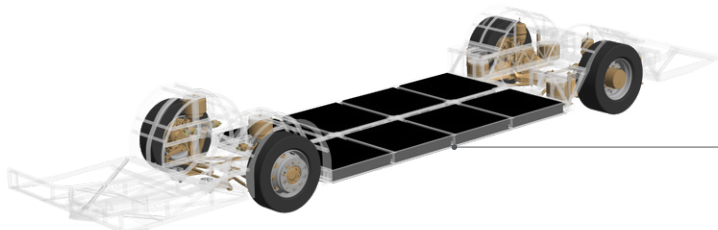


REDUCED MAINTENANCE

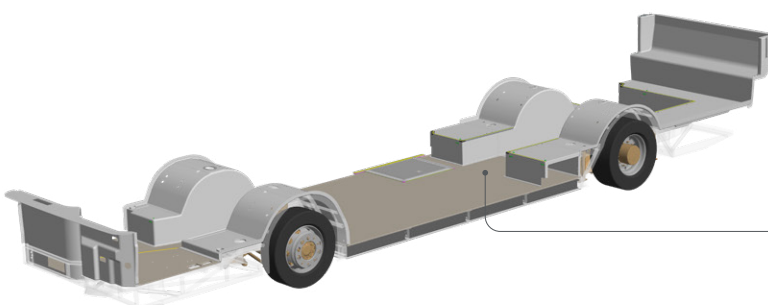
DUE TO FEWER MOVING PARTS

THE BENEFITS OF A LIGHTWEIGHT CASCO

IMPROVED DRIVEABILITY AND PASSENGER COMFORT



FULLY FLAT FLOOR
BATTERIES INCORPORATED



SPACIOUS AND ACCESSIBLE
900 MM WIDE AISLE



OPTIMAL CLIMATE CONTROL
INSULATED WALLS



LOW CENTRE OF GRAVITY
860 MM

HEIGHT
3,190 MM

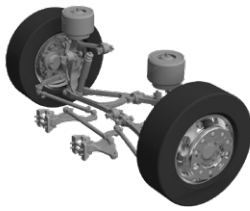
AXLE CONFIGURATIONS

LESS ROLLING RESISTANCE AND REDUCED USE OF MATERIALS

1ST AXLE

12M | 13.5M | 18M

Independent front suspension
Wide aisle - 900 mm



DRIVE AXLE

12M | 13.5M | 18M

Standard single tyres
Wide aisle - 900 mm



3RD AXLE

18M

Optional steering system
Wide aisle - 900 mm



BEYOND EXISTING BOUNDARIES

WHEN FUNCTIONALITY MEETS DESIGN

The functional approach of a lightweight concept, allowed immediate opportunities to optimize the design for user comfort. Although a sufficient range is extremely important, it was not the only factor taken into consideration when the Ebusco 3.0 was created.

The Ebusco 3.0 is made to move people, meaning that this bus offers a comfortable, safe, and reliable travel experience for both passengers and drivers.



COMFORT

SPACIOUS, ACCESSIBLE
AND LUXURIOUS



SAFETY

NON-FLAMMABLE
LFP BATTERIES



RELIABILITY

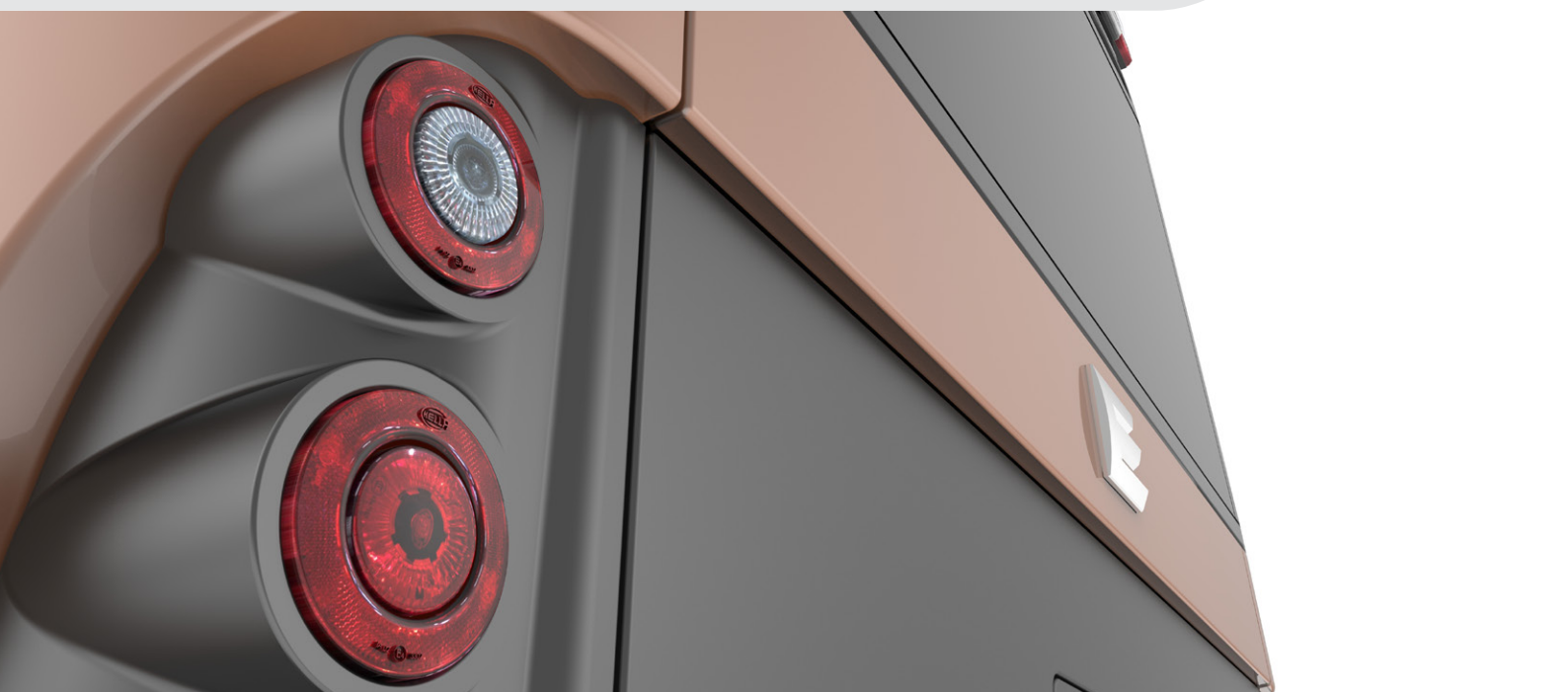
BATTERY MANAGEMENT SYSTEM
FOR PREDICTIVE MAINTENANCE



EBUSCO 3.0 SPECSHEET

Specifications	12M	13.5M	18M
Body type	Low entry / Low floor	Low entry	Low floor
Door configuration	2 / 3 doors	2 doors	3 / 4 doors
Passenger capacity	Up to 110 persons	Up to 110 persons	Up to 150 persons
Kerb vehicle weight	9,950 kg	11,700 kg	14,900 kg
Length	12,000 mm	13,500 mm	18,000 mm
Width	2,550 mm	2,550 mm	2,550 mm
Height	3,190 mm	3,190 mm	3,190 mm
Floor to ceiling height	2,350 mm	2,350 mm	2,350 mm
Step-in height	340 mm	340 mm	340 mm
Electric drive			
Maximum range	Up to 700 km	Up to 700 km	Up to 700 km
Rated voltage	AC 3-phase 400V	AC 3-phase 400V	AC 3-phase 400V
Maximum power	2x 125 kW	2x 125 kW	2x 125 kW
Maximum torque	22,000 Nm	22,000 Nm	22,000 Nm
Batteries			
Cell chemistry	LFP	LFP	LFP
Cell capacity and voltage	105 Ah, 3,2V	105 Ah, 3,2V	105 Ah, 3,2V
Pack capacity	>250, >350 or >500 kWh	>350 or >500 kWh	>250, >350 or >500 kWh
Axles			
1st axle capacity	8,165 kg	8,165 kg	8,165 kg
Drive axle capacity	Max 11,500 kg	Max 11,500 kg	Max 10,350 kg
3rd axle capacity	-	-	8,165 kg







**“WITH THE EBUSCO 3.0 WE HAVE DESIGNED
A LIGHTWEIGHT BUS WITH THE LOWEST POSSIBLE TCO.
A BUS THAT IS MADE TO MOVE PEOPLE.”**

Peter Bijvelds, CEO Ebusco

Ebusco leads the electrification of transport with innovative zero emission buses, by overcoming major obstacles to electrification. Not hindered by a legacy, Ebusco has proven itself to be an innovative frontrunner in the development of electric buses as well as ancillary products and services to the electric vehicle ecosystem. We believe Ebusco is at the heart of the entire EV ecosystem.

Building on its experience with heavy-duty batteries, Ebusco's offering comprises everything from zero emission buses to Energy Storage Systems, charging infrastructure, depots, service and maintenance, local energy supply and grid alignment.



reddot winner 2022

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