

bluebus 12m

FRENCH KNOW-HOW COMMITTED
TO ENERGY TRANSITION



100% ELECTRIC

Zero CO₂ emissions,
zero noise

Designed to respect
for residents,
users, and their
environment



LMP® SOLID-STATE BATTERIES

High energy density
Enhanced security

Environmentally
friendly
without solvents,
nickel, or cobalt

Weather-proof



AUTONOMY RANGE UP TO 320 KM

On-board energy
up to 441 kWh



SPACIOUS AND OPEN TO THE CITY

Up to
109 passengers

A sleek and
comfortable design

A large glass
surface for
a panoramic view



EASY ACCESS

4 ground clearance
positions

Floor height
drops to sidewalk
level

Electric ramp



ECO-DESIGNED IN FRANCE

A 98% recyclable
structure

Made in
an ISO 9001-
& ISO 14001-
certified plant
with 'Origine France
Garantie' label

bluebus

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Dimensions and weight

Length	12068 mm
Width without mirrors	2566 mm
Width including mirrors	2915 mm
Height (no-load)	3291 mm
Gross Vehicle Weight	20000 kg
Unladen weight without option	≈ 12 900 kg
Turning radius between sidewalks	8813 mm
Turning radius between walls	11218 mm
Overhang	Front 2713 mm Rear 3430 mm
Wheelbase	5925 mm

Accessibility

3 electric doors	Wheelchair access door 2
Up to 109 passengers + driver	Floor height drops to sidewalk level (On driver's action)

Performances

Autonomy	Up to 320 km*
Max. speed	70 km/h
Charging time	5 hours
Charging mode	External charging station (DC/standard Combo CCS)
Batteries LMP® (Lithium Metal Polymer)	Up to 441 kWh

BATTERY FEATURES

Technology	Solid-state battery Lithium Metal Polymer
Weight	450 kg
Nominal voltage	600 V
Internal temperature	65 to 85°C
Operating temperature	- 30° to + 65° C

Inside equipment

- Thermal comfort: 100% electric heating and air conditioning with driver/passenger independence, possibility of driver-only air conditioning

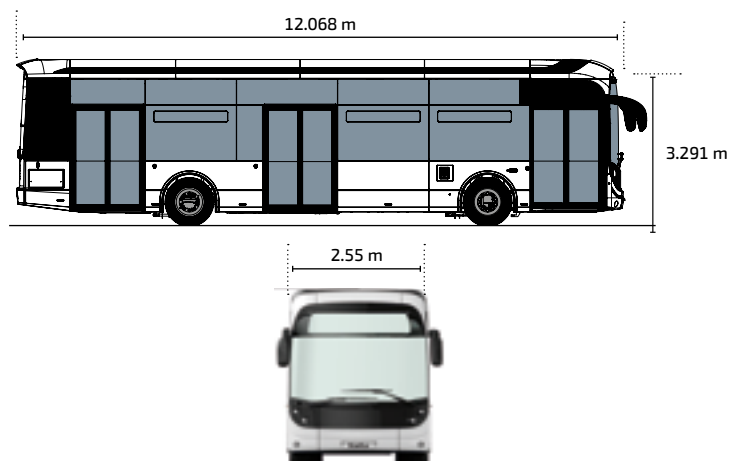
Driver's area

- EBSF-standard ergonomic driving position, driver's seat with heating and ventilation system, dashboard with mobile console including comfort controls on the left, operating controls on the right and colour screen, customizable left side console, heating, and air conditioning independent from the passenger area

Outside equipment

- One-piece structure for easy assembly/disassembly and maintenance
- Defrosting mirrors
- Led lights
- Electric ramp

*Average autonomy, range noticed with SORT cycles



Powertrain

- Synchronous central electric motor with permanent magnets
- Motor powered by AC; Inverter powered by 650 VDC
- Nominal power: 160 kW
- Peak power 230 kW / Torque max 3000 Nm

Chassis and suspension system

Type of front axle	Front: ZF RL82EC Rear: ZF AV133
Max. permissible load on the front axle	7 500 kg
Max. permissible load on the rear axle	13 500 kg
Size of front / rear tyres	275/70R22.5
4 ground clearance positions	Normal, high at speed limited to positions 15 km/h, low or right sloping (kneeling) at zero speed
Braking	Electro-pneumatic regenerative with electronic optimization Energy recovery during deceleration

Integrated options upon request

- Interior and exterior customization (colours, fabrics, floors, seats)
- Operating options (video surveillance, ticketing, interior and exterior displays, advertising panels, etc.)
- Destination indicators (front, side, rear, color or monochrome outside display screens...)
- Winter tires, ISRI driver's seat with options, Fresnel lens, Export glazing, break-in resistant window, fog lights, GPS clock
- Traffic light priority system

Contact us:
www.bluebus.fr

