

EURABUS E-Coach I 3.0 Series



EURABUS E-Coach

(3.0 Series I 2023 Edition)



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50 40 30 20 10 0
500 0 100 200 300 400

150 km/h

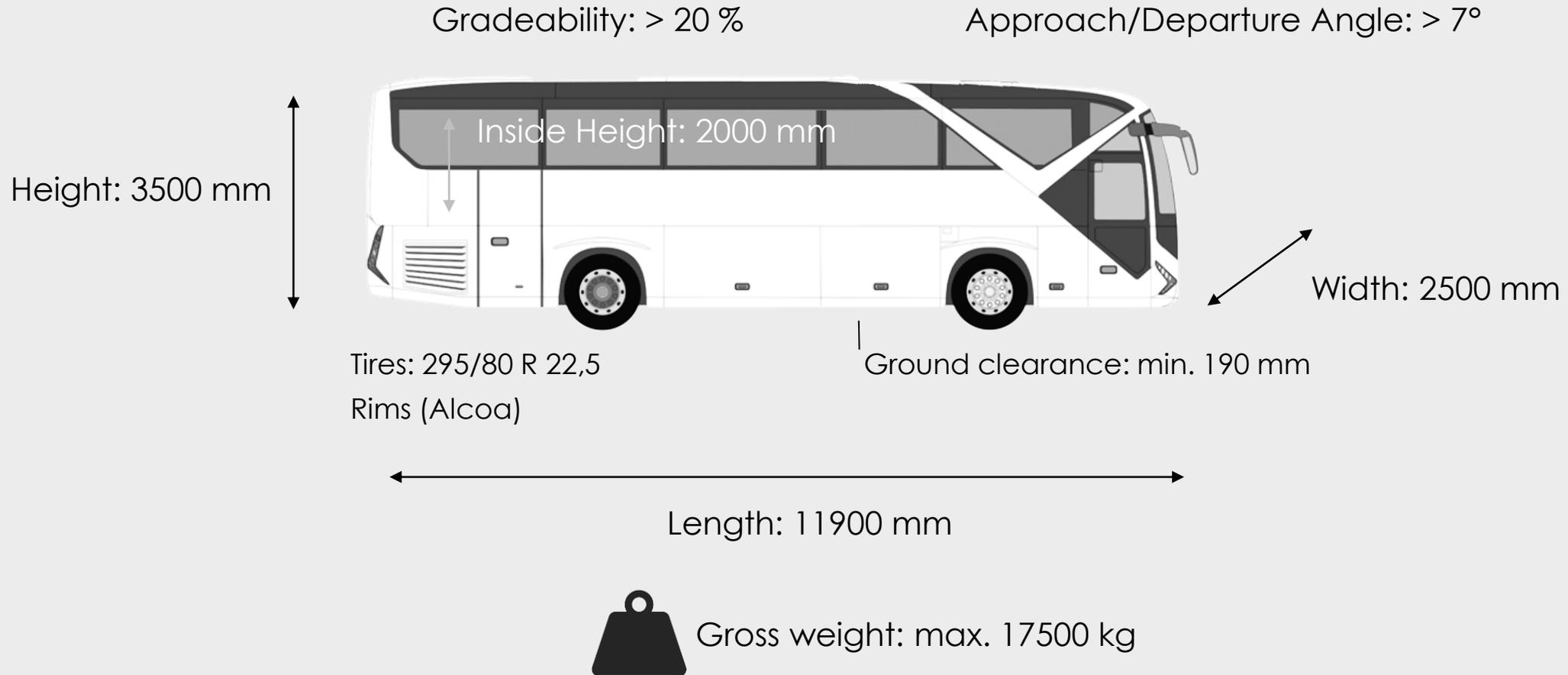


ادفع
Push

ادفع
Push

Dimensions and Weight

Pure electric bus, 2-axle; suitable climate: -20 °C to +55 °C; suitable altitude: 0-3000 m



Chassis and Body

Lightweight bus body

Full body aluminium design (incl. roof sheets)

Permanent anti-corrosion protection

Aluminum parts anodized



Cavity sealing



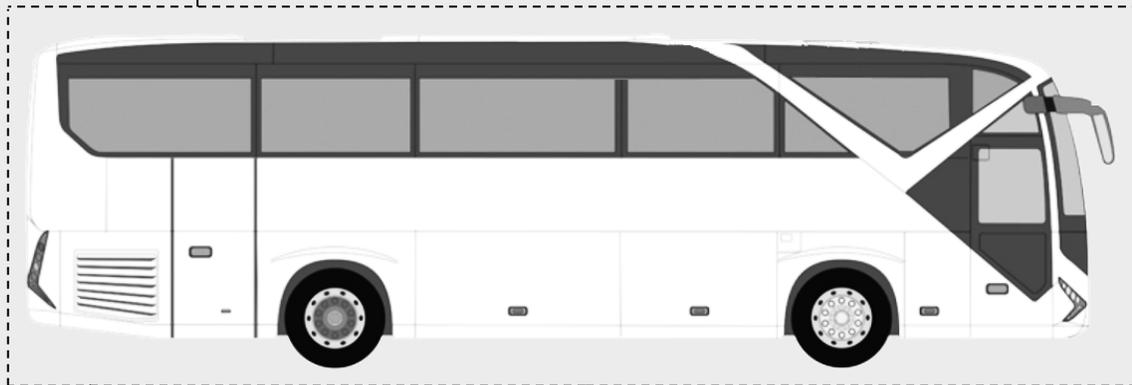
Cataphoretic painting



Bumper



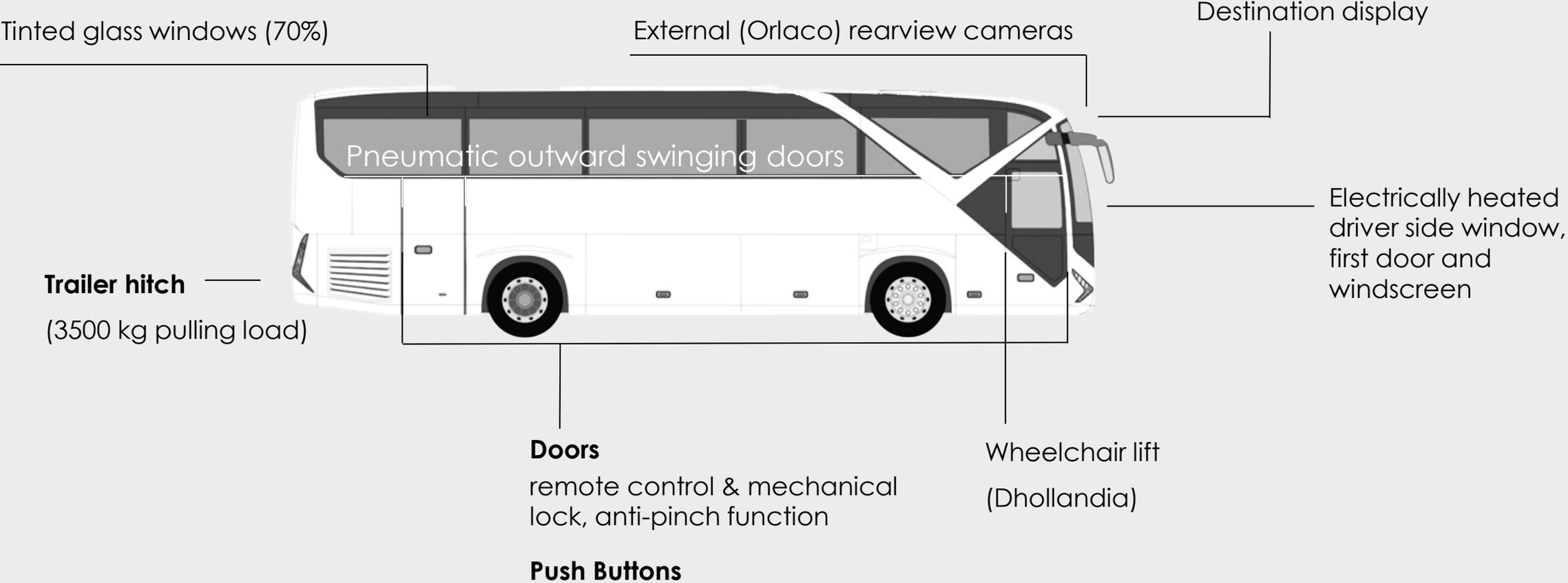
GRP



Front and rear bumper and lower side covers
GRP

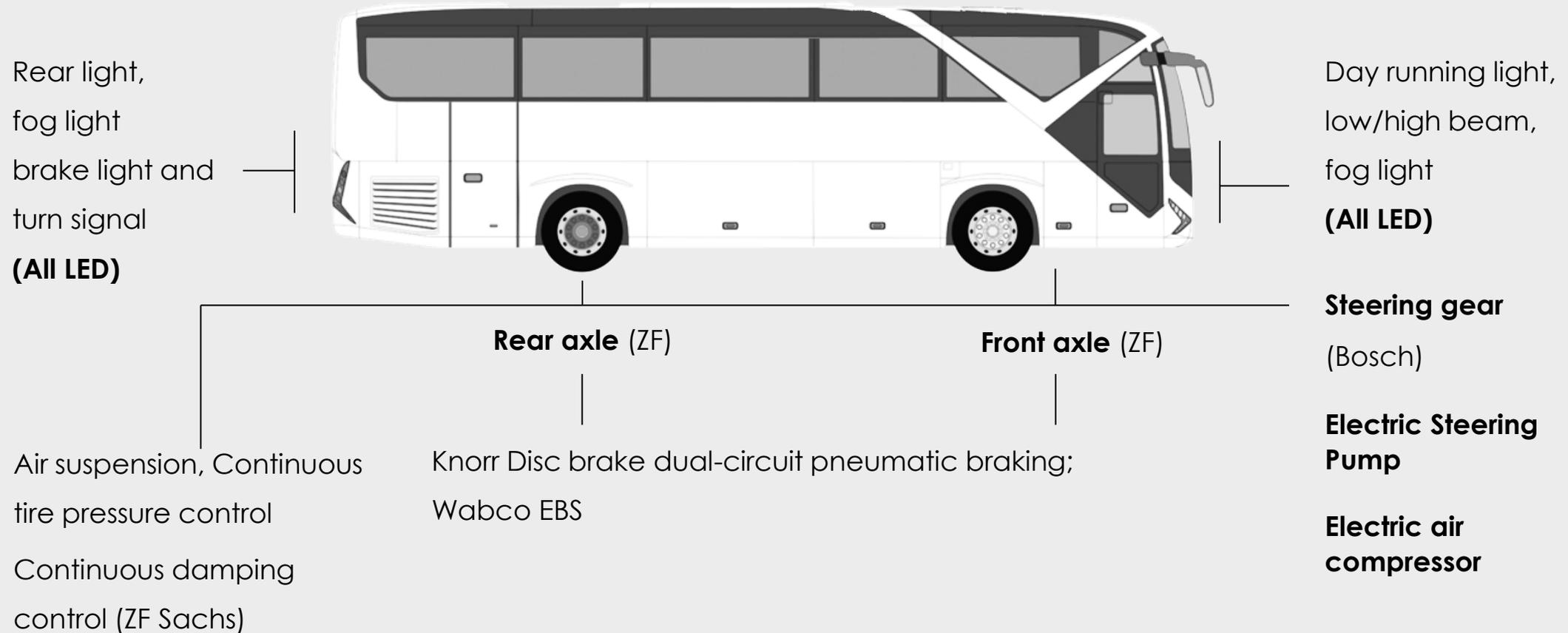
Outside (I)

Doors, Windows, Mirrors, Destination Display and Trailer Hitch



Outside (II)

Axles, Steering, Air Compression, Light, Suspension and Brake System



Inside

Lightning, Curtains, Carpet, Display, Refrigerator, Toilet and Luggage Compartments

Open luggage racks above the seat rows

Toilet

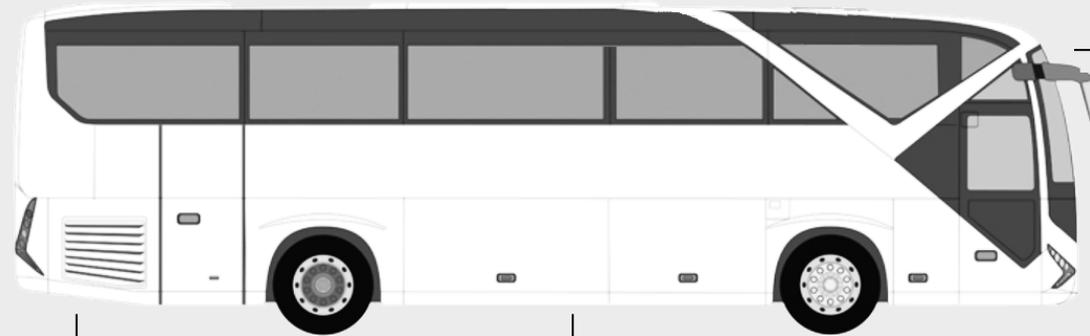
Display

(temperature and time)

Curtains

Carpet (Gerflor)

Refrigerator
(24 V)



(Option: kitchenette, TM)

Luggage compartment

size can vary depending on chosen battery capacity,

waterproof sealing

Inside lightning



Gangway light, reading light, night light (blue), long strip, side window strip light, step light

Seating and Climate System

Number of seats: 38 - 42 + driver seat

Air conditioning: 25 kW

(Option: hepa air filter with 99,99 % virus and particle clearance)

With heat pump and side wall heaters



Interior Example



Driver seat (ISRI)

Air suspension, front / rear adjustable, reclining backrest, 3-point safety belt, integrated microphone (Bosch)



Passenger luxury seat (Kiel)

Artificial leather, 2+2 layout, width 440mm, USB charger
First row, the row behind emergency door, the middle seat of the last row: 3-point seat belt; others: 2-point seat belt
(options: seat heating, 230V socket)



Dhollandia wheelchair lift
upon request



Xinder

UYL LIFT



Dashboard, Entertainment System and CCTV



Audio and video system

(Bosch)

Bosch infotainment system
by customer choice;
19 inch screen, 10 speakers,
radio



Wi-Fi and internet system



Driver dashboard with microphone

(Continental)



CCTV system

inside rear door, front to rear and rear to front



Drive Train and Range



Driving range

350-400 km

350-400 km

Top speed

Up to 100 km/h

Up to 100 km/h

Standard power

245 kW

245 kW

Torque

3300 Nm

3300 Nm

Battery and Charging

Li-Ion Battery (total capacity)

500 kWh

Charging (CCS2 or GBT)

Up to 300 kW

Charging time (full charging)

(depending on defined charging power and battery capacity)

2 – 10 h

BMS: Eurabus automotive qualified BMS, functional safety

Charging plug:

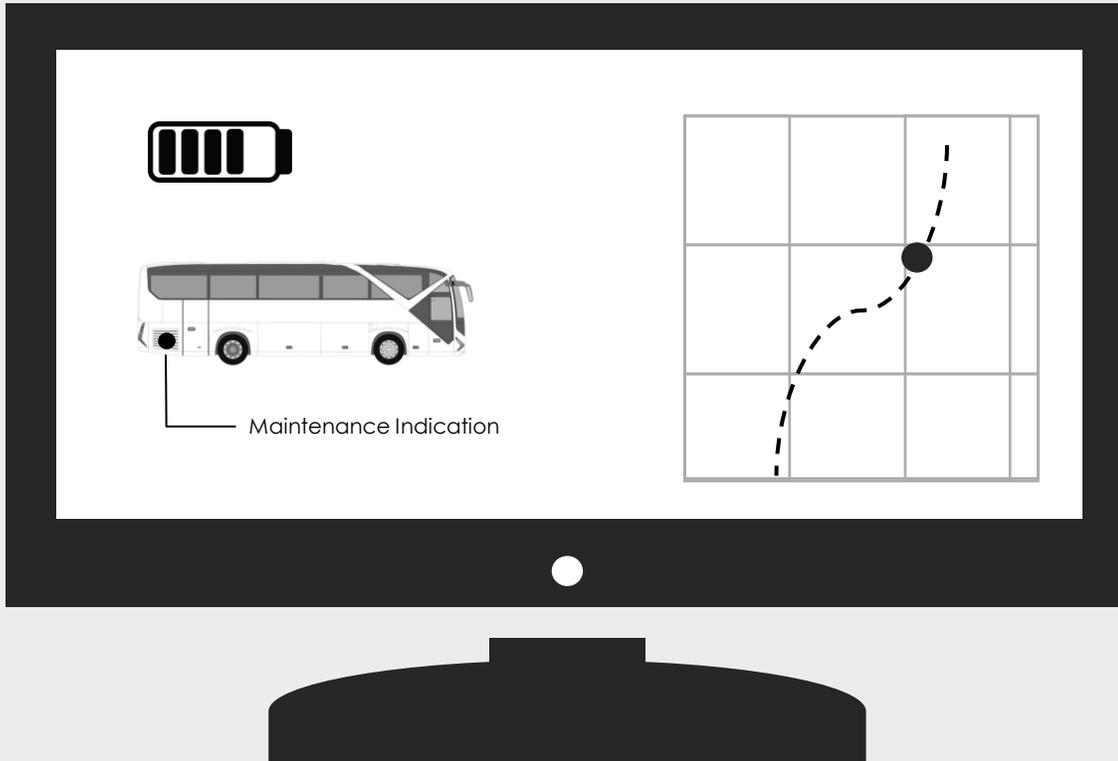
DC (CCS2, up to 500A or 2* CCS2, 2*200A)

Emergency cut off system at drivers workplace, rear compartment, charging inlet, service-disconnect for safe maintenance

Auxiliary battery: 2x 120 Ah, maintenance free, smart recharge

Predictive Maintenance

Online Monitoring and Remote Control System



Dynamique driving range estimation

Online monitoring system for:

State of the bus (e.g. maintenance preparation, position)

State of the high voltage drive train and all other electronic systems

(Automatic reporting in the bus depot, integration to existing fleet management system possible)

Online remote control system for:

Heating/cooling system

Heating front glass, driver side window, outside camera mirrors, driver and passenger seats

Filling of air tanks

Safety and Assistance Systems



Acoustic vehicle alerting system

Automatic restart at each vehicle start, automatically working 0-20km/h (D and R)



Park distance control

(acoustic)



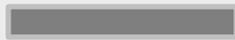
Automatic fire detection system and fire extinguishers

2*6 kg ABC (front and rear)



Safety hammers

(incl. theft prevention sensors)



Horizontal handrail for safe walking



Yellow step marks



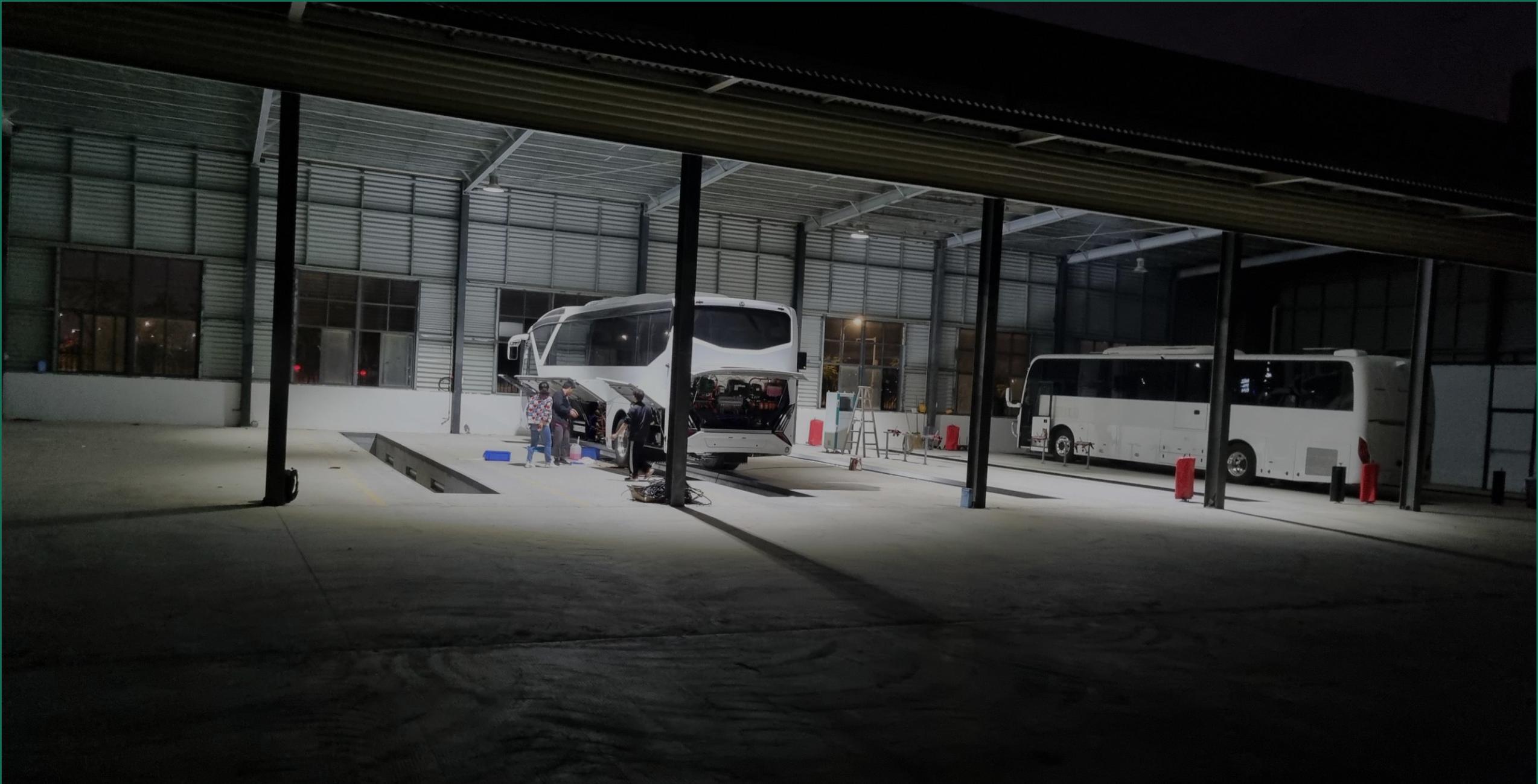
Blind spot radar and camera



Driving assistance



Anti-pinch & auto-reverse doors



EURABUS production 2023 (E-Coach 3.0 Series)



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