

AVEVAI

A12

FULLY ELECTRIC BUS
TWO PASSENGER DOOR
LOW-FLOOR
RIGHT HAND DRIVE
12 METER



Why A12?

Make clean and silent public transport available to everyone

From early morning to evening, every AVEVAI bus can run full-fledged services, on every route. This offers you ultimate flexibility to use your resources and people in the best possible way. The powerful battery also has advantages for the city.

Additional charging stations are not needed, and routes can be changed whenever necessary, for instance during events. The extremely low energy consumption ensures that your drivers can drive to the depot with sufficient residual charge after their service is completed, without any worries.



**Eco
Friendly**



**Driving Range
300 km**



**Battery
370 kWh**



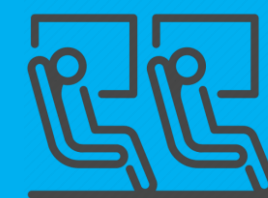
**Depot Charging
1 hour (360kW)**



**Low
Maintenance**



**Passenger
Capacity 70**



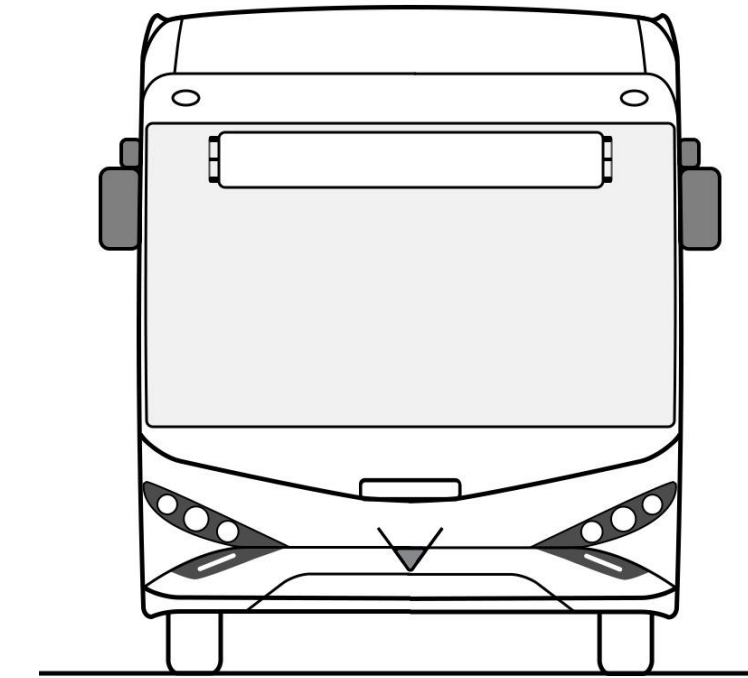
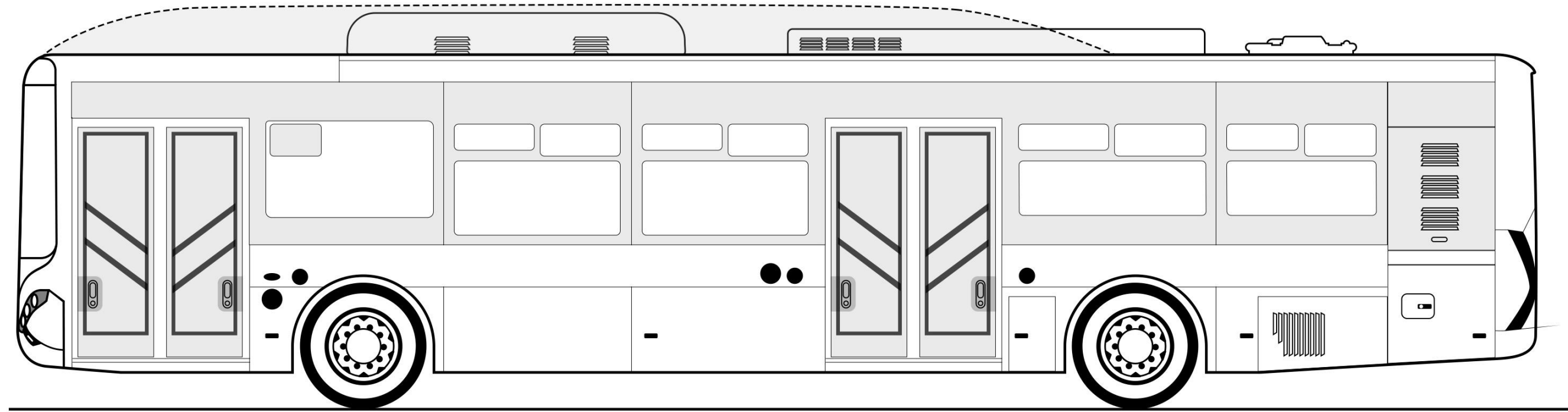
**Passenger
Seats 43**



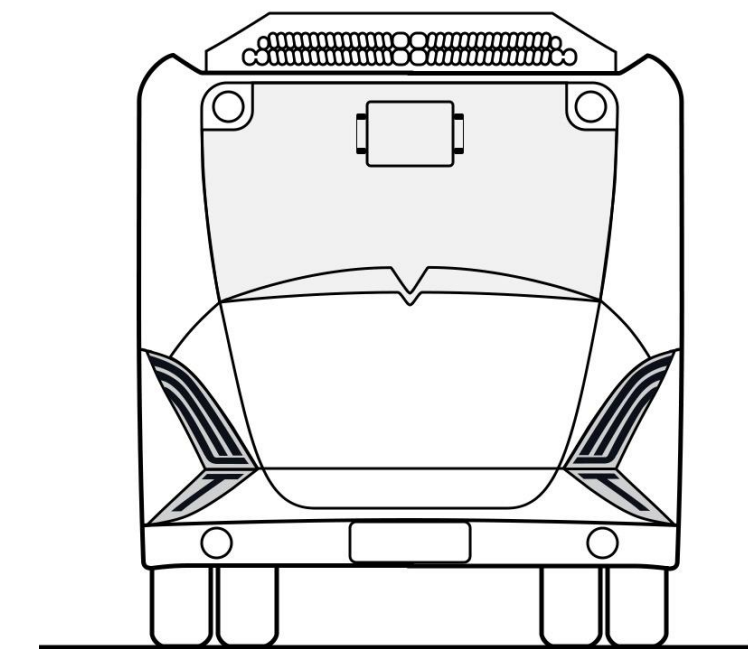
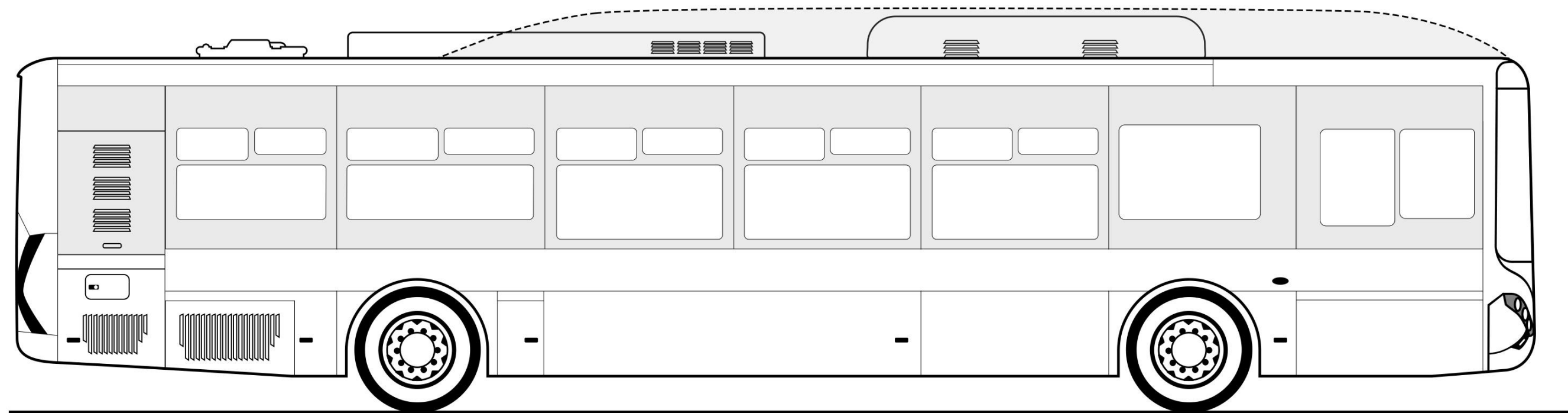
**Battery Warranty
8 years**

Model designations

A12 | Two door | RHD

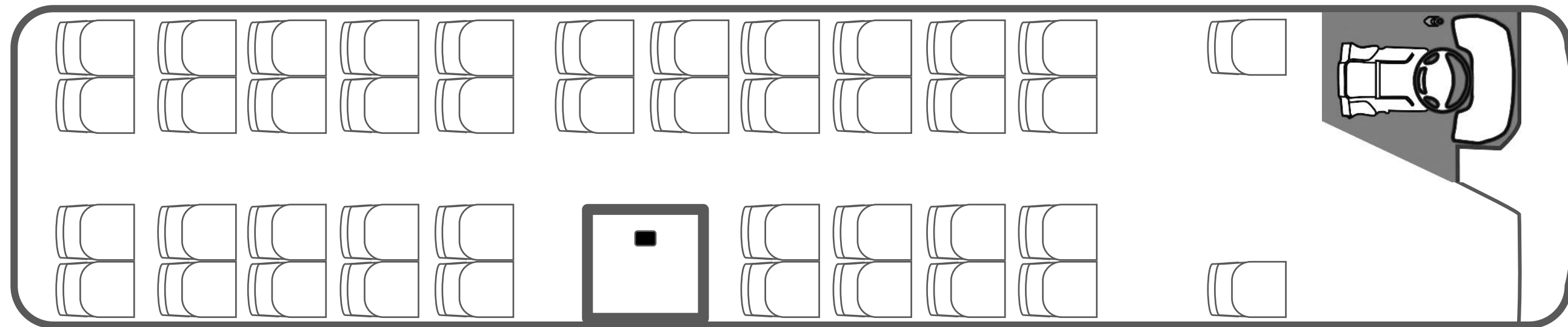


A12 | Low-floor | Type 2 charger

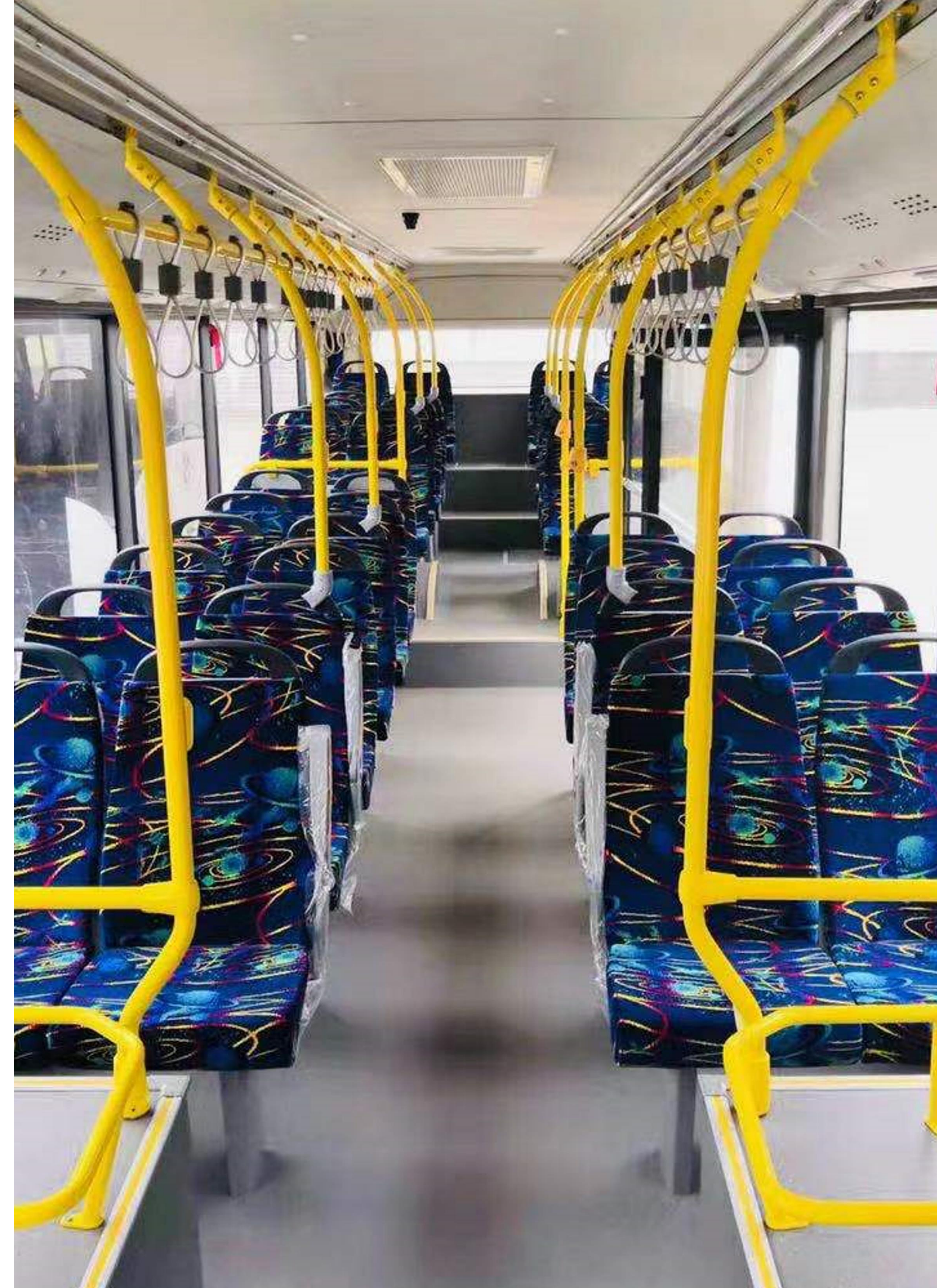
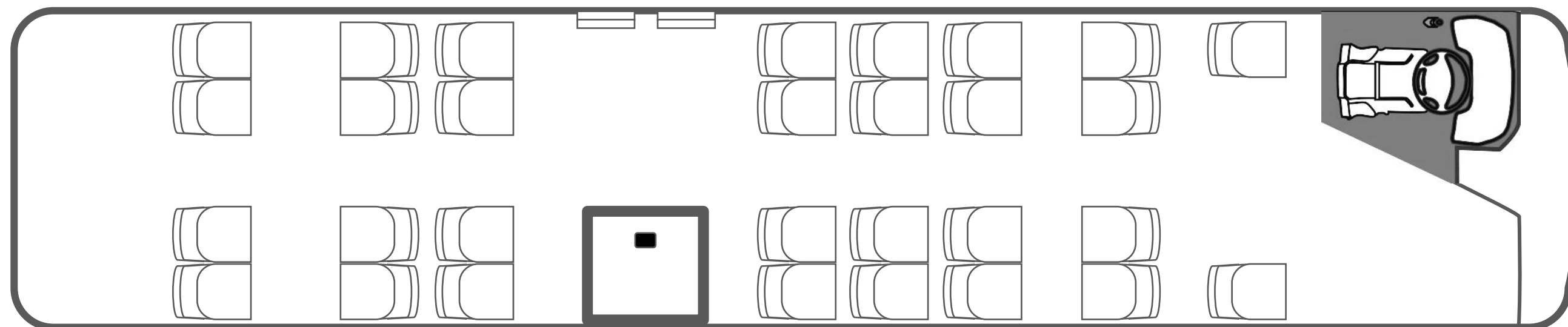


Seating variants

A12 | Passenger seats 42+1 | Total passenger 70



A12 | Passenger seats 30+1 | Total passenger 92



Specifications

AVEVAI A12 | 373.4 kWh

Bus Type	City bus Low-floor AC
Driver side	Right-hand drive (RHD)
Bus Structure	2 passenger door, monocoque
Overall size (mm)	12,000 x 2550 x 3280
Temperature	-10 to +45 °C
Altitude	0-2000m
Gradeability (%)	≥17%
Minimum ground clearance (mm)	≥160
Mass weight (kg)	19,000 (F7000 / R12,000)
Max speed (km/h)	≤80
Inner height (mm)	≥2100
Wheelbase (mm)	6100
Overhang front/rear (mm)	2710 / 3190
Wheel track front/rear (mm)	2110 / 1860
Curb weight (kg)	13,100
Approach / departure angle (°)	7/7
Minimum turning diameter (m)	≤24
Passenger capacity	70/43
Passenger seat (excl. foldable seats)	42+1

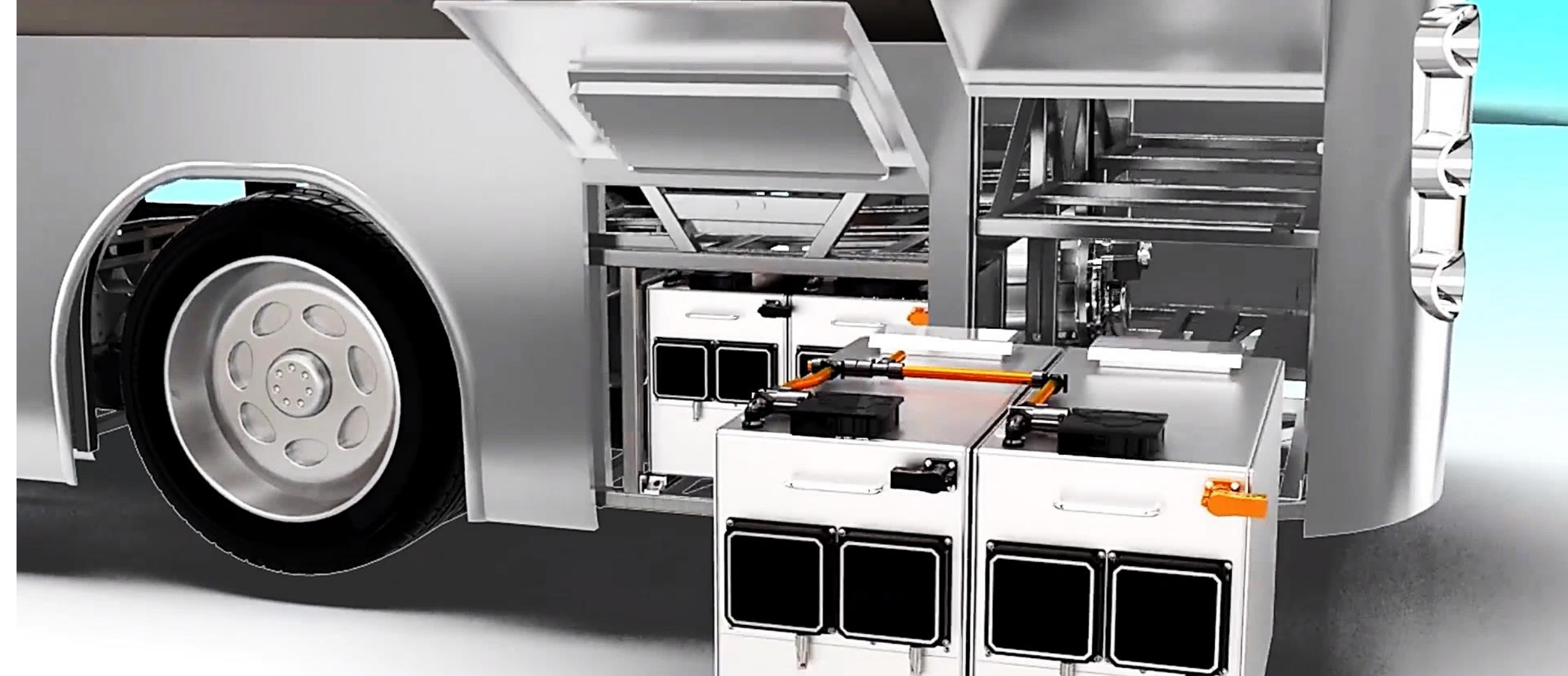


Specifications



AVEVAI A12 | 373.4 kWh

Driving Motor	<p>Dana TM4</p> <ul style="list-style-type: none">- MD130B (SUMO MD HV3000)- 6-phase permanent magnet synchronous motor- Rated/peak power: 145 / 245 kW- Rated/peak torque: 1100 / 3329 Nm- 3000 rpm, water-cooled, rear direct driving
Motor controller	Dana TM4, CO200HV
Battery pack by CATL	<ul style="list-style-type: none">- Cell power: 3.22 V 302 Ah- Connection: 2P192S (total: 312 cells)- Battery parameter: 618.24 V 604 Ah- Total power: 373.4 kWh- Battery heating (standard)- Temperature suitable: -10 to +45 °C- Battery location: under floor and roof
Driving range (km)	300 km
Battery cooling system	Integrated inside the air conditioner
All in one controller	4in1
New energy remote monitoring system	Available
Charge socket	EU Type 2 direct charge socket, 400A



Specifications

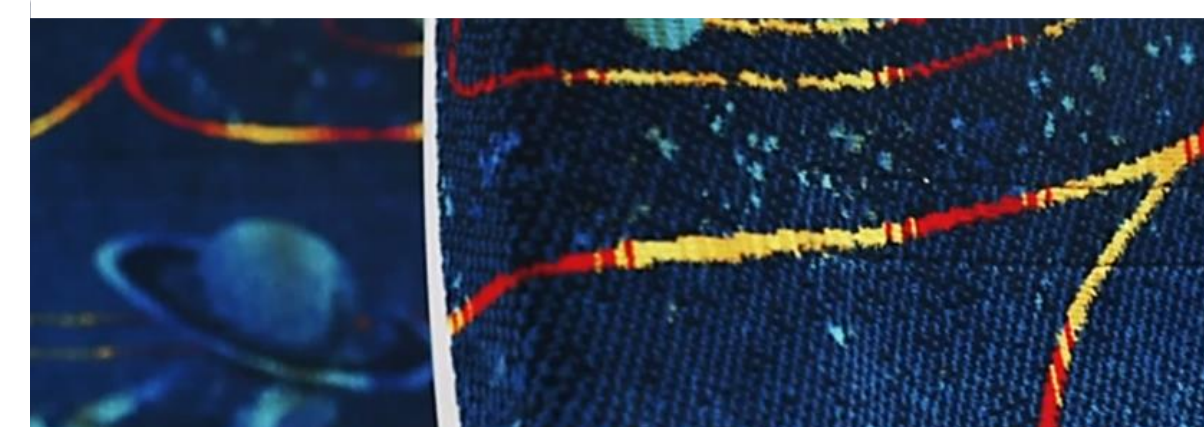
AVEVAI A12 (373.4 kWh)	
Bus body	
Bus body framework and plate	Low floor, aluminum framework + aluminum plate
Bus structure	Low alloy high strength carbon square tube welding, electrophoresis
Driver seat	High backrest, multi-function and adjustable driver, water-proof seat with airbag and double hand rest
Driver cab	High backrest, multi-function and adjustable driver, water-proof seat with air bag and double hand rest, CE certified
Passenger seat	City bus light weighted water-proof passenger seat soft cushion and backrest
Wheelchair area	Wheelchair backrest and safety belt, 2 folding passenger seats
Airduct	Aluminum alloy airduct, adjustable air outlet
F/R inner roof	Blister molding, front inner top with middle partition
Roof decoration plate	High density PVC plate, light color
Side decoration plate	High density PVC plate, dark grey
Side window decoration parts	Soft decoration parts
Handrail, guardrail and ring	Φ32 yellow spray plastic steel handrail, grey adjustable ring
Floor leather	PVC floor
Floor leather	Flame-retardant non-slip quartz sand wear-resistant floor leather
Disable step	Manual, max loading capacity 350kg
Curtain	Front manual curtain, driver window with manual sliding telescopic sunshade
Safety hammer	Six units, with sound and light hammer
Glass	Front window shield with laminated glass Rear window shield with light grey tempered glass Side window with sealing light grey tempered glass Front passenger door with white tempered glass Rear door with Light grey tempered glass All glasses with ECE certificate
EX. rearview mirror	Long-short arm outside rearview mirror Manual adjustable with defrost function
Inner rearview mirror	One square mirror at the front inner roof
Passenger door	Front and middle passenger door, double pneumatic swing-in passenger door, aluminum spray plastic plate with anti-pinch function (the bus will not move when the door is not properly closed)
Emergency valve	Inner and exterior emergency valve
Outside door switch	Outside electric front door switch
Side / Rear compartment door	Aluminum compartment door with hinge, air spring and door lock
Roof exit	One at the rear, with ventilation function
Wiper	180-Watt double speed wiper motor
Inner fire extinguisher	Dry powder fire extinguisher, 2 x 3kg
Painting	Local brand plain painting

Specifications

AVEVAI A12 (373.4 kWh)

Electrics

Air conditioning	Electric AC, only cooling function, Cooling capacity: ≥ 30000 Kcal/h, integrate battery cooling system
Rear compartment door switch	Available, when the rear compartment door is open, the motor could not work
Instrument	CAN Instrument + mold
Audio system	MP3, with USB and radio function 8 speaker
Display board	LED display board
Inner display board	Front roof LED electric display board
Monitoring system	7-inch screen + middle door Camera + reverse monitor (recording function)
Drive recorder	N/A, reserve cable
Stop teller	Equipped, express in English
Microphone	Driver goose type microphone
Doorbell	Wireless doorbell
Wire harness	Cable marked with numbers
Assistance battery	2 x 150 Ah, free maintenance
Inner light	LED, warm white light, with two gear interval control.
Step light	Round spotlight
Other equipment	Electric clock, parking plate
Others	All spare part with English marker; Spare part: one set tools and 2 parking wedges



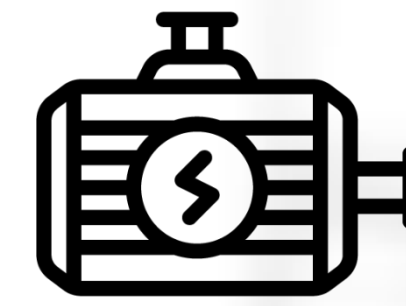
Warranty



100,000 km or 2 years
(whichever comes first)



Battery: 8 year



Motor: 5 year



Charging Solution (Type 2 connector)

Overnight charging in depots is sufficient, and this also places less demand on the grid in daytime. This makes a big difference in costs, and it is also better for the battery, as it extends its useful life.

IONA A12 | 373.4kWh Charging Pile (Optional)

Power	Duration (0-100%)
80 kW	4:40 min
120 kW	3:06 min
240 kW	1:33 min
360 kW	62 min



A white AVEVAI bus is shown from a side-front perspective, parked on a paved area. The bus has a large windshield and a prominent front grille with the AVEVAI logo. The background features a modern building with many windows and some greenery. The overall image has a dark, semi-transparent overlay.

“LET'S CREATE VALUE FOR YOUR CITY TOGETHER.”

AVEVAI

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