

BUS MODEL NAME	AVEVAI E12 (303.4 kWh)	AVEVAI E12 (373.4 kWh)
Items	Configuration 1	Configuration 2
Bus Type	City bus with 12 meter in length	City bus with 12 meter in length
Drive type	Right-hand drive (RHD)	Right-hand drive (RHD)
Bus Structure	2 passenger door, low-floor, monocoque	2 passenger door, low-floor, monocoque
Overall size (mm)	12000 x 2550 x 3280 (with AC)	12000 x 2550 x 3280 (with AC)
Temperature	minus 10 to +45 °C	minus 10 to +45 °C
Altitude	0-2000m	0-2000m
Gradeability (%)	≥17%	≥17%
Minimum ground clearance (mm)	≥160	≥160
Mass weight (kg)	19,000 (F7000 / R12000)	19,000 (F7000 / R12000)
Max speed (km/h)	≤80	≤80
Inner height (mm)	≥2300	≥2100
Wheelbase (mm)	6100	6100
F / R overhang (mm)	2710 / 3190	2710 / 3190
F / R wheel track (mm)	2096 / 1860	2110 / 1860
Curb weight (kg)	12,400	13,100
Approach / departure angle (°)	7/7	7/7
Minimum turning diameter (m)	≤24	≤24
Ground clearance of one step (mm)	≤340	≤360
Rated passenger capacity	92/33	70/43
Standard passenger seat (not incl. foldable seats)	30+2+1	42+1
Power system	Configuration 1	Configuration 2
Driving Motor	Dana TM4 - MD130B (SUMO MD HV3000, TZ368XSPE300WH) - 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	Dana TM4 - MD130B (SUMO MD HV3000, TZ368XSPE300WH) - 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 (KTZ60X45SP100B)	Dana TM4, CO200HV (KTZ60X45SP100B)
Whole bus controller	Dana TM4	Dana TM4
Battery pack	Battery Supplier: CATL - Cell power: 3.22 V 302 Ah - Connection: 2P156S (total: 312 cells) - Battery parameter: 502.32 V 604 Ah - Total power: 303.4 kWh - Battery heating (standard) - Temperature suitable: minus 10 to +45 °C - Battery location: under floor and bus roof	Battery Supplier: CATL - 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: minus 10 to +45 °C - Battery location: under floor and bus roof
Driving range (km)	220 km	300 km
Battery cooling system	Integrated inside the air conditioner	Integrated inside the air conditioner
Automatic fire extinguishing device in battery package	N/A	N/A
Automatic fire extinguishing device for battery and high voltage cab	3 sets of 1.2 kg, piping type	4 sets of 1.2 kg, piping type
All in one controller	4in1	4in1
New energy remote monitoring system	Available	Available
Charge socket	EU Type 2 direct charge socket, 400A	EU Type 2 direct charge socket, 400A
Chassis	Configuration 1	Configuration 2
Front axle	ZF RL82A steering axle, 8.2T, brake disc, right hand drive.	ZF RL82A steering axle, 8.2T, brake disc, right hand drive.
Rear axle	ZF AV133, 13T, brake disc, speed rate 6.19.	ZF AV133, 13T, brake disc, speed rate 6.19.
Free maintenance wheel end (F/R)	Available	Available
Braking system	KNNOR brake disc, air pressure double circuit brake system	KNNOR brake disc, air pressure double circuit brake system
Suspension system	Air suspension Front 2 / Rear 4 (with lateral stabilizer)	Air suspension Front 2 / Rear 4 (with lateral stabilizer)
Tire	275/70R/22.5, 18PR	275/70R/22.5, 18PR
Spare tire	1 spare tire	1 spare tire
Wheel rim	Aluminum wheel rim, 8.25 x 22.5	Aluminum wheel rim, 8.25 x 22.5
Wheel cover	Available	Available
Steering	ZF Integrate steering	ZF Integrate steering
Electric steering bump	EHPS-0017R3-43ANJL03	EHPS-0017R3-43ANJL03
Electric air compressor	WEBASCO Oil-free piston air pump, 3.3kW, emission 320L/min	WEBASCO Oil-free piston air pump, 3.3kW, emission 320L/min
ABS	WABCO ABS	WABCO ABS
ESP	Available	Available
ECAS	WABCO ECAS	WABCO ECAS
Brake valve	WABCO brake bump, Chinese valve	WABCO brake bump, Chinese valve
Brake pipe	Aluminum gas storage cylinder, the capacity not less than 180L, with heating function auto drain valve and dry & regenerate system. The pump to dry bottle is copper pipe, the rest is nylon pipe. With air charge connector at the front, all air storage tank and braking system with air pressure testing connector installed on one plate with marker.	Aluminum gas storage cylinder, the capacity not less than 180L, with heating function auto drain valve and dry & regenerate system. The pump to dry bottle is copper pipe, the rest is nylon pipe. With air charge connector at the front, all air storage tank and braking system with air pressure testing connector installed on one plate with marker.
Cooling system	ATS cooling system, brushless water pump and fan	ATS cooling system, brushless water pump and fan
Integrated lubrication	Available (domestic brand)	Available (domestic brand)
Bus body	Configuration 1	Configuration 2

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Bus body framework and plate	Low floor, aluminum framework + aluminum plate	Two step, monocoque, steel framework + aluminum plate
Bus structure	Low alloy high strength carbon square tube welding, electrophoresis	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 handres	High backrest, multi-function and adjustable driver, water-proof seat with airbag and double handres
Driver cab	High backrest, multi-function and adjustable driver, water-proof seat with air bag and double handrest, CE certified	High backrest, multi-function and adjustable driver, water-proof seat with air bag and double handrest, CE certified
Passenger seat	City bus lightweighted water-proof passenger seat soft cushion and backrest	City bus lightweighted water-proof passenger seat soft cushion and backrest
Wheelchair area	Wheelchair backrest and safety belt, 2 folding passenger seats	Wheelchair backrest and safety belt, 2 folding passenger seats
Air duct	Aluminum alloy air duct, adjustable air outlet	Aluminum alloy air duct, adjustable air outlet
F/R inner roof	Blister molding, front inner top with middle partition	Blister molding, front inner top with middle partition
Roof decoration plate	High density PVC plate, light color	High density PVC plate, light color
Side decoration plate	High density PVC plate, dark grey	High density PVC plate, dark grey
Side window decoration parts	Soft decoration parts	Soft decoration parts
Handrail, guardrail and ring	Φ32 yellow spray plastic steel handrail, grey adjustable ring	Φ32 yellow spray plastic steel handrail, grey adjustable ring
Floor leather	PVC floor	PVC floor
Floor leather	Flame-retardant non-slip quartz sand wear-resistant floor leather	Flame-retardant non-slip quartz sand wear-resistant floor leather
Disable step	Manual, max loading capacity 350kg	Manual, max loading capacity 350kg
Curtain	Front manual curtain, driver window with manual sliding telescopic sunshade	Front manual curtain, driver window with manual sliding telescopic sunshade
Side curtain	NA	NA
Safety hammer	Six units, with sound and light hammer	Six units, with sound and light hammer
Glass	Front windshield with laminated glass Rear windshield 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	Front windshield with laminated glass Rear windshield 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	Long-short arm outside rearview mirror Manual adjustable with defrost function
Inner rearview mirror	One square mirror at the front inner roof	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)	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	Inner and exterior emergency valve
Outside door switch	Outside electric front door switch	Outside electric front door switch
Side / Rear compartment door	Aluminum compartment door with hinge, airspring and door lock	Aluminum compartment door with hinge, airspring and door lock
Roof exit	One at the rear, with ventilation function	One at the rear, with ventilation function
Wiper	180 Watt double speed wiper motor	180 Watt double speed wiper motor
Inner fire extinguisher	Dry powder fire extinguisher, 2 x 3kg	Dry powder fire extinguisher, 2 x 3kg
Painting	Local brand plain painting	Local brand plain painting
Electrics	Configuration 1	Configuration 2
Air conditioning	Shanghai SONGZ, electric AC, only cooling function, Cooling capacity: ≥30000 Kcal/h, integrate battery cooling system	Shanghai SONGZ, electric AC, only cooling function, Cooling capacity: ≥30000 Kcal/h, integrate battery cooling system
Defroster	NA	N/A
Heating function	NA	N/A
Rear compartment door switch	Available (when the rear compartment door is open, the motor will not work)	Available, when the rear compartment door is open, the motor could not work
Instrument	CAN Instrument + mould	CAN Instrument + mould
Audio system	MP3, with USB and radio function 8 speaker	MP3, with USB and radio function 8 speaker
Display board	LED display board	LED display board
Inner display board	Front roof LED electric display board	Front roof LED electric display board
Coin machine	NA	N/A
Monitoring system	7 inch screen + middle door Camera + reverse monitor (recording function)	7 inch screen + middle door Camera + reverse monitor (recording function)
Drive recorder	NA, reserve cable	NA, reserve cable
Stop teller	Equipped, express in english	Equipped, express in english
Microphone	Available	Driver goose type microphone
Door bell	Wireless door bell	Wireless door bell
Wire harness	Cable marked with numbers	Cable marked with numbers
Assistance battery	2 x 150 Ah, free maintenance	2 x 150 Ah, free maintenance
Inner light	LED, warm white light with two gear interval contrl.	LED, warm white light, with two gear interval contrl.
Step light	Round spot light	Round spot light
Other equipment	Electric clock, parking plate	Electric clock, parking plate
Others	All spare part with English marker Spare part: one set tools and 2 parking wedges	All spare part with English marker; Spare part: one set tools and 2 parking wedges
Warranty	Electric Motor: 5 year Battery: 8 year	
Quotation description	1. This quotation is subject to Configuration 1 2. Delivery time is 120 days	1. This quotation is subject to Configuration 2 2. Delivery time is 120 days

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Charging pile (charging duration 0-100%)	AVEVAI E12 (303.4kWh): 80 kW - 3:47 min 120 kW - 2:31 min 240 kW - 1:15 min 360 kW - 50 min	AVEVAI E12 (373.4kWh): 80 kW - 4:40 min 120 kW - 3:06 min 240 kW - 1:33 min 360 kW - 62 min

This quotation is for reference only, the actual freight shall be assessed according to the actual departure date