

Avita 12 2024 650 Triple LiDAR All-Wheel Drive Performance Version Specifications

Basic Information

Parameter	Avita 12 2024 650 Triple LiDAR All-Wheel Drive Performance Version
Official Price	RMB 340,800
Manufacturer	Avita Technology
Class	Medium and Large Type Vehicle
Energy Type	Pure Electric
Market Time	2024.03
Electric Description	Pure Electric 578 hp
CLTC Range	650
WLTC Recharge Mileage	-
CLTC Pure Electric Range (km)	650
Combined Driving Range (km), MIIT	-
Combined Cruising Range CLTC	-
High-Voltage Fast Charging Platform	● Standard: 800V
800	● Standard: 800V
Charging Time	Fast charge 20 min; Slow charge 11 h
Fast Charging Window (%)	30-80
Maximum Power (kW)	425(578Ps)
Maximum Torque (N·m)	650
Transmission Description	EV single-speed transmission
Length x Width x Height (mm)	5020x1999x1450
Body Structure	4-door 5-seat Sedan
Top Speed (km/h)	220
Official 0-100 km/h Acceleration (s)	3.9
WLTC Fuel Consumption (L/100km)	-
Energy Consumption (kWh/100km)	16
Equivalent Fuel Consumption (L/100km)	1.81
State OF Charge Fuel Consumption	-
Fuel Consumption at Low Charge WLTC (L/100km)	-
Vehicle Warranty	5 years or 120,000 km
Estimated Maintenance Cost over 60,000 km	RMB 2,100

Body

Parameter	Avita 12 2024 650 Triple LiDAR All-Wheel Drive Performance Version
Length (mm)	5020
Width (mm)	1999
Height (mm)	1450
Wheelbase (mm)	3020
Front Track (mm)	1688
Rear Track (mm)	1702
Minimum Ground Clearance (mm)	-
Body Structure	Sedan
Number of Doors	4
Door Opening Type	Hinged doors
Seats	5
Curb Weight (kg)	2325
Gross Weight (kg)	2700

Parameter	Avita 12 2024 650 Triple LiDARAll-Wheel DrivePerformanceversion
OIL Tank Volume	-
FrontCargo Volume(L)	65
Cargo Volume (L)	425
Minimum Turning Radius (m)	-

Engine

Parameter	Avita 12 2024 650 Triple LiDARAll-Wheel DrivePerformanceversion
Engine Model	-
Displacement (mL)	-
Displacement (L)	-
Aspiration	-
Engine Layout	-
Cylinder Arrangement	-
Number of Cylinders	-
Valves per Cylinder	-
Compression Ratio	-
Valve Train	-
Maximum Horsepower (Ps)	-
Maximum Power (kW)	-
Maximum Net Power (kW)	-
Maximum Power RPM	-
Maximum Torque (N-m)	-
Maximum Torque RPM	-
EngineThermal Efficiency(%)	-
Engine Technology	-
Energy Type	Pure Electric
Fuel Grade	-
Fuel Supply System	-
Cylinder Head Material	-
Cylinder Block Material	-
Emission Standard	-

Electric Motor

Parameter	Avita 12 2024 650 Triple LiDARAll-Wheel DrivePerformanceversion
Electric Description	Pure Electric 578 hp
Motor Type	FrontInduction/Asynchronous RearPermanent magnet synchronous
Total Motor Power	425
Total Motor Horsepower (Ps)	578
Total Motor Torque	650
Front Motor Max Power (kW)	195
Front Motor Max Torque (N-m)	280
Rear Motor Max Power (kW)	230
Rear Motor Max Torque (N-m)	370
Drive Motor Count	Dual motor
Motor Layout	Front-mounted+Rear-mounted

Battery / Charging

Parameter	Avita 12 2024 650 Triple LiDARAll-Wheel DrivePerformanceversion
Battery Type	Ternary lithium battery
Battery Special Technology	-
Cell Brand	CATL

Parameter	Avita 12 2024 650 Triple LiDAR All-Wheel Drive Performance version
Battery Warranty	8 years or 160,000 km
Battery Capacity	94.5
Battery Energy Density (Wh/kg)	-
Battery Charging Rate	-
5	-
6	-
Battery Charging (Summary)	● Standard: Fast charge 20 min; ● Standard: Slow charge 11 h; ● Standard: Fast charging port
Charging Time	Fast charge 20 min; Slow charge 11 h
Battery Charging - Fast Charging Port	● Standard: Fast charging port
MAX Fast Charge Power	240
Fast Charging Port Position (Summary)	Left Fuel Filler
Left Fuel Tank Position	Left Fuel Filler
Slow Charging Port Position (Summary)	Left Fuel Filler
Left Fuel Tank Position	Left Fuel Filler
Battery Heating System	Standard
Battery Cooling System	Liquid cooling
One-pedal Mode	-
VTOL Mobile Power Station	Standard
VTOL Maximum External Discharge Power	3.3kW
VTOV Maximum External Discharge Power	-

Transmission

Parameter	Avita 12 2024 650 Triple LiDAR All-Wheel Drive Performance version
Transmission Description	EV single-speed transmission
Number of Gears	1
Transmission Type	Fixed Gear Ratio Transmission

Chassis / Steering

Parameter	Avita 12 2024 650 Triple LiDAR All-Wheel Drive Performance version
Drive Type	Dual motor All-Wheel Drive
Four-wheel-drive Type	Electric AWD
Front Suspension	Double Wishbone Independent Suspension
Rear Suspension	Multi-link independent suspension
Steering Type	Electric power steering
Vehicle Body Structure	Unibody

Wheels / Brakes

Parameter	Avita 12 2024 650 Triple LiDAR All-Wheel Drive Performance version
Front Brake Type	Ventilated disc
Rear Brake Type	Ventilated disc
Parking Brake Type	Electronic parking brake
Front Tire Size	265/45 R20
Rear Tire Size	265/45 R20
Spare Tire Specification	-
Active Safety	-
ABS	Standard
Brake-force Distribution (EBD/CBC)	Standard
Brake Assist (EBA/BA)	Standard
Traction Control (TCS/ASR)	Standard
Body Stability System (ESP/DSC)	Standard

Parameter	Avita 12 2024 650 Triple LiDAR All-Wheel Drive Performance version
Active Safety Warning System	● Standard: Lane departure warning; ● Standard: Forward collision warning; ● Standard: Rear collision warning; ● Standard: Rear cross traffic alert; ● Standard: DOW door opening warning; ● Standard: Front cross traffic alert; ● Standard: Front cross traffic braking
Active Safety Warning System - Lane Departure Warning	● Standard: Lane departure warning
Active Safety Warning System - Forward Collision Warning	● Standard: Forward collision warning
Rear collision warning	● Standard: Rear collision warning
Rear cross traffic alert	● Standard: Rear cross traffic alert
DOW door opening warning	● Standard: DOW door opening warning
Front cross traffic alert	● Standard: Front cross traffic alert
Front cross traffic braking	● Standard: Front cross traffic braking
Automatic Emergency Braking	Standard
Blind Spot Assist	Standard
Lane Keeping Assist	Standard
Lane Centering Assist	Standard
Driver Fatigue Warning	Standard
Active DMS Fatigue Detection	Standard
Cabin Vital-sign Detection	Standard
Traffic Sign Recognition	Standard
Traffic Light Recognition	Standard
Night Vision System	-
Passive Safety	-
Front Airbags (Summary)	● Standard: Driver seat; ● Standard: Passenger seat
Front Airbags - Driver	● Standard: Driver seat
Front Airbags - Front Passenger	● Standard: Passenger seat
Side Airbags (Summary)	● Standard: Front row; ● Standard: Rear row
Side Airbags - Front Row	● Standard: Front row
Rear row	● Standard: Rear row
Side Curtain Airbags	Standard
Front Knee Airbags	-
Center Airbag	-
Front row	-
Seat Belt Reminder	Standard
TPMS	Tire pressure display
ISOFIX	Standard
Passive Pedestrian Protection	-
Run-flat Tire	-
Driver Assistance / Control	-
Parking Radar (Summary)	● Standard: Front; ● Standard: Rear
Front	● Standard: Front
Parking Radar - Rear	● Standard: Rear
Front Vehicle Departure Reminder	-
Narrow Road Assistance	Standard
Driving Assistance Camera (Summary)	● Standard: Rear view camera; ● Standard: 360-degree panoramic camera; ● Standard: Transparent view
Driving Assistance Camera - Reverse Camera	● Standard: Rear view camera
Side Blind Zone Camera	-
Driving Assistance Camera - 360° Panoramic Camera	● Standard: 360-degree panoramic camera
Driving Assistance Camera - Transparent Chassis View	● Standard: Transparent view
Cruise System (Summary)	● Standard: Cruise control; ● Standard: Adaptive cruise control; ● Standard: Full-speed adaptive cruise control
Cruise System - Option	● Standard: Cruise control
Cruise System - Adaptive Cruise Control	● Standard: Adaptive cruise control
Cruise System - Full-speed Adaptive Cruise Control	● Standard: Full-speed adaptive cruise control
Automatic Lane Change Assist	Standard

Parameter	Avita 12 2024 650 Triple LiDAR All-Wheel Drive Performance version
Automatic Ramp Exit / Entry	Standard
Navigation Assisted Driving	● Standard: Highway navigation assist; ■ Optional: Urban navigation assist
Highway navigation assist	● Standard: Highway navigation assist
Urban navigation assist	■ Optional: Urban navigation assist
ADAS Level	L2
Automatic Parking	Standard
Reverse Path Tracking	-
Memory Parking	Optional
Automatic Valet Parking	Optional
Auto Hold	Standard
Hill Start Assist (HAC)	Standard
Hill Descent Control (HDC)	Standard
Engine SAS Tech	-
Variable Suspension	● Standard: Damping stiffness adjustment+height adjustment
Damping stiffness adjustment	-
Damping stiffness adjustment+Height	● Standard: Damping stiffness adjustment+height adjustment
Air Suspension	Standard
Air Suspension Type	-
Electromagnetic Suspension	-
Magic Body Control	-
Variable Steering Ratio	-
Front Axle Limited-slip Type	-
Rear Axle Limited-slip Type	-
Center Differential Lock	-
Active Rear Steering	-
Drive Mode Selection (Summary)	● Standard: Sport; ● Standard: Personalized; ● Standard: ECO/Economy; ● Standard: Standard Comfort
Drive Mode Selection - Sport	● Standard: Sport
Drive Mode Selection - Custom	● Standard: Personalized
Drive Mode Selection - ECO	● Standard: ECO/Economy
Drive Mode Selection - Standard / Comfort	● Standard: Standard Comfort
Brake Energy Recovery	Standard
Comfortable Braking	-
Low-speed Warning Sound	Standard
Exterior Features	-
Sunroof Type	Panoramic glass roof
Smart Dimming Roof	-
Standard	-
Optional	-
Roof Rack	-
Sport Appearance Package	Optional (RMB 6,000)
Power Spoiler	Standard
Active Grille Shutters	Standard
Alloy Wheels	Standard
Frameless Doors	Standard
Hidden Door Handles	Standard
Tow Hook	-
Interior Features	-
Steering Wheel Material (Summary)	● Standard: Genuine leather
Steering Wheel Material - Option	-
Genuine leather	● Standard: Genuine leather
Steering Wheel Adjustment	Tilt and telescopic
Power Steering Wheel Adjustment	Standard
Steering Wheel Functions (Summary)	● Standard: Multifunction controls; ● Standard: Memory; ● Standard: Heating

Parameter	Avita 12 2024 650 Triple LiDAR All-Wheel Drive Performance version
Steering Wheel Functions - Multi-function Control	● Standard: Multifunction controls
Memory	● Standard: Memory
Heating	● Standard: Heating
Gear Selector Type (Summary)	● Standard: Electronic column shifter
Gear Selector Type - Option	● Standard: Electronic column shifter
LCD Cluster Style	Full LCD
LCD Cluster Size (in) (Summary)	● Standard: 35.4
35.4	● Standard: 35.4
Audio / Entertainment	-
Soft-close Doors	Standard
Power Swing/Swing-Up Door	Optional
Power Tailgate	Standard
Hands-free Tailgate	-
Tailgate Position Memory	Standard
Engine Anti Theft	-
Central Locking	Standard
Remote Key Type (Summary)	● Standard: Phone Bluetooth key; ● Standard: NFC/RFID key
Remote Key Type - Smart Remote Key	-
Remote Key Type - Bluetooth Key	● Standard: Phone Bluetooth key
Remote Key Type - NFC/RFID Key	● Standard: NFC/RFID key
Keyless Entry	All windows
Keyless Start	Standard
Remote Start	Standard
Remote Vehicle Move	Standard
Vehicle Summon	-
Head-up Display (HUD)	-
Built-in Driving Recorder	Standard
Active Noise Cancellation	-
Wireless Phone Charging	Standard
Wireless Charging MAX Power (Summary)	50
Wireless Charging MAX Power 50	50
AC Power Outlet	-
Cargo 12V Power Outlet	Standard
Seat Features	-
Seat Material	Genuine leather
Seats Leather Style	Nappa Genuine leather
Sport Seats	-
Second-row Independent Seats	-
Zero Gravity Seat	Optional (RMB 10,000)
Power Seat Adjustment (Summary)	● Standard: Driver seat; ● Standard: Passenger seat
Power Seat Adjustment - Driver	● Standard: Driver seat
Seat Power Adjustment - Front Passenger	● Standard: Passenger seat
Second Row	-
Sunken Rear Seat Folding	-
Driver Seat Main Adjustments (Summary)	● Standard: Fore-aft adjustment; ● Standard: Backrest angle; ● Standard: Height adjustment
Driver Seat Main Adjustments - Fore / Aft	● Standard: Fore-aft adjustment
Driver Seat Main Adjustments - Backrest Angle	● Standard: Backrest angle
Driver Seat Main Adjustments - Height Adjustment	● Standard: Height adjustment
Driver Seat Fine Adjustments (Summary)	● Standard: Headrest; ● Standard: Lumbar; ■ Optional: Leg rest
Driver Seat Fine Adjustments - Headrest	● Standard: Headrest
Lumbar	● Standard: Lumbar
Leg rest	■ Optional: Leg rest
Front Passenger Seat Main Adjustments (Summary)	● Standard: Fore-aft adjustment; ● Standard: Height adjustment; ● Standard: Backrest angle

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Front Passenger Seat Main Adjustments - Fore / Aft	● Standard: Fore-aft adjustment
Height adjustment	● Standard: Height adjustment
Front Passenger Seat Main Adjustments - Backrest Angle	● Standard: Backrest angle
Front Passenger Seat Fine Adjustments (Summary)	● Standard: Headrest; ● Standard: Lumbar; ■ Optional: Leg rest
Front Passenger Seat Fine Adjustments - Headrest	● Standard: Headrest
Lumbar	● Standard: Lumbar
Leg rest	■ Optional: Leg rest
Second-row Seat Main Adjustments (Summary)	-
Second-row Seat Main Adjustments - Option	-
Second-row Seat Fine Adjustments	-
Front Seat Functions	● Standard: Heating; ● Standard: Ventilation; ● Standard: Memory; ● Standard: Massage
Front Seat Functions - Option	● Standard: Heating
Ventilation	● Standard: Ventilation
Memory	● Standard: Memory
Massage	● Standard: Massage
Memory(driver seat)	-
Second-row Seat Functions	● Standard: Heating
Heating	● Standard: Heating
Ventilation	-
Massage	-
Boss Key	Standard
Front / Rear Armrests (Summary)	● Standard: Front row; ● Standard: Rear row
Front / Rear Armrests - Front Row	● Standard: Front row
Rear row	● Standard: Rear row
Rear Cup Holder	Standard
Heated / Cooled Cup Holder	-
Rear Seat Folding Ratio	● Standard: 40:60
40:60	● Standard: 40:60
40:20:40	-
50:50	-
Second-row Tray Table	-
Smart Connectivity	-
Center Screen Size (in)	15.6
Center Screen Material	-
Center Screen Resolution (Summary)	1920x1080
Center Screen Resolution 1920x1080	1920x1080
Center Console ColorColorScreen Pixel Density(PPI)	● Standard: 141
141	● Standard: 141
Satellite Navigation	Standard
AR Navigation	-
Navigation Traffic Display	Standard
MAP Brand (Summary)	-
Petal	-
Roadside Assistance	Standard
Bluetooth / Car Phone	Standard
Phone Mirroring (Summary)	● Standard: HUAWEI HiCar
Phone Mirroring - HUAWEI HiCar	● Standard: HUAWEI HiCar
Connected Car	Standard
Mobile Network (Summary)	● Standard: 5G
5G	● Standard: 5G
OTA Upgrade	Standard
Face Recognition	Standard

Parameter	Avita 12 2024 650 Triple LiDARAll-Wheel DrivePerformanceversion
Fingerprint Recognition	-
Voiceprint Recognition	-
Emotion Recognition	-
Voice Recognition Control	Standard
Wake-word-free Voice Control	Standard
Voice Wake-up by Zone (Summary)	● Standard: Four-zone voice recognition
Voice Wake-up by Zone - Four Zones	● Standard: Four-zone voice recognition
Continuous Voice Recognition	Standard
Visible-to-speak Control	Standard
Voice Assistant Wake-up Phrase	Xiao Ta Xiao Ta
Gesture Control	Standard
Wi-Fi Hotspot	-
Audio / Entertainment	-
Multi-finger Screen Control	-
App Store	Standard
Media Interface (Summary)	● Standard: USB/Type-C
Media Interface - USB/Type-C	● Standard: USB/Type-C
USB/Type-C Port Count (Summary)	● Standard: Front row: 2; ● Standard: Rear row: 1
USB/Type-C Port Count - 2 Front	● Standard: Front row: 2
USB/Type-C Port Count - 1 Rear	● Standard: Rear row: 1
USB/Type-C Max Charging Power	-
In-car TV	-
Rear LCD Screen	-
Rear rowScreen Size(Inch)	-
16	-
Simulated Engine Sound	Standard
Karaoke	Standard
Audio Brand	-
Number of Speakers	● Standard: 27
14	-
16	-
25	-
25	-
27	● Standard: 27
27	-
Sound System Layout	7.1.4
Amplifier Max Output Power (W)	-
1408	-
2016	-
Seat Speakers (Headrest / Shoulder)	Standard
SKY Sound Channel	Standard
Rear Multimedia Controls	-
Winter WarmthsetTrim	-
Low Beam	LED
High Beam	LED
Daytime Running Lights	Standard
Adaptive High / Low Beam	Standard
Automatic Headlights	Standard
Cornering Lights	-
Front Fog Lights	-
Adaptive Front-lighting System (AFS)	-
Headlight Height Adjustment	Standard
Headlight Washers	-

Parameter	Avita 12 2024 650 Triple LiDAR All-Wheel Drive Performance version
Ambient Lighting	64Color
Active Ambient Lighting	● Standard
Standard	● Standard
Special Lighting Functions	-
Lighting Projection Technology	-
Headlight Delay-off	Standard
Headlamp Rain / Fog Mode	-
Smart Winter Package	-
Power Windows (Summary)	● Standard: Front row; ● Standard: Rear row
Power Windows - Front Row	● Standard: Front row
Power Windows - Option	● Standard: Rear row
One-touch Windows	All windows
Anti-pinch Windows	Standard
Exterior Mirror Functions (Summary)	● Standard: Power adjustment; ● Standard: Heating; ● Standard: Power folding; ● Standard: Memory; ● Standard: Reverse Automatic tilt-down; ● Standard: Auto-fold on lock; ■ Optional: Automatic anti-glare; ■ Optional: Streaming Media (RMB 12,000)
Exterior Mirror Functions - Option	● Standard: Power adjustment
Exterior Mirror Functions - Heating	● Standard: Heating
Exterior Mirror Functions - Power Folding	● Standard: Power folding
Memory	● Standard: Memory
Reverse Automatic tilt-down	● Standard: Reverse Automatic tilt-down
Exterior Mirror Functions - Auto Fold on Lock	● Standard: Auto-fold on lock
Automatic anti-glare	■ Optional: Automatic anti-glare
Streaming Media	■ Optional: Streaming Media (RMB 12,000)
Interior Mirror Functions	● Standard: Automatic anti-glare; ● Standard: Streaming Media
Automatic anti-glare	● Standard: Automatic anti-glare
Streaming Media	● Standard: Streaming Media
Vanity Mirror (Summary)	● Standard: Driver seat+with lighting; ● Standard: Passenger seat+with lighting
Vanity Mirror - Option	● Standard: Driver seat+with lighting
Vanity Mirror - Option	● Standard: Passenger seat+with lighting
Rear Privacy Glass	Standard
Interior Sunshade	-
Rain-sensing Wipers	Standard
Rear Wiper	-
Multi-layer Acoustic Glass	Front row
Heated Windshield	-
Heated Washer Nozzles	-
Air Conditioning / Refrigerator	-
A/C Control Type	Automatic
Rear Independent A/C	-
Rear Air Vents	Standard
Temperature Zone Control	● Standard: Dual-zone climate control
Dual-zone climate control	● Standard: Dual-zone climate control
Four-Zone Climate Control	-
In-car Air Purifier	Standard
Cabin PM2.5 Filter	Standard
Negative-ion Generator	Standard
Fragrance System	-
AQS Air Quality Management	Standard
On-board Refrigerator	-
Refrigerator Functions	-
Heating	-
Refrigeration	-

Parameter	Avita 12 2024 650 Triple LiDAR All-Wheel Drive Performance version
Freezing	-

Smart Features

Parameter	Avita 12 2024 650 Triple LiDAR All-Wheel Drive Performance version
ADAS Operating System (Summary)	● Standard: HUAWEI ADS
HUAWEI ADS	● Standard: HUAWEI ADS
CAR Intelligent System (Summary)	● Standard: HarmonyOS
HarmonyOS	● Standard: HarmonyOS
Mobile App Remote Control (Summary)	● Standard: Vehicle monitoring; ● Standard: Remote control; ● Standard: Digital key; ● Standard: Charging management; ● Standard: Service appointment
Mobile App Remote Control - Vehicle Monitoring	● Standard: Vehicle monitoring
Mobile App Remote Control	● Standard: Remote control
Mobile App Remote Control - Digital Key	● Standard: Digital key
Mobile App Remote Control - Charging Management	● Standard: Charging management
Mobile App Remote Control - Service Appointment	● Standard: Service appointment
Heat Pump System	Standard
Number of Exterior Cameras	● Standard: 11
11	● Standard: 11
12	-
14	-
Exterior Camera Resolution	-
Interior Camera Count	● Standard: 2
Incar Camera Count 2	● Standard: 2
Interior Camera Resolution	-
Number of Ultrasonic Radars	12
Millimeter Wave Radar	3
Laser Radar	3
LiDAR Brand	-
Huawei	-
LiDAR Line Count (Lines)	● Standard: 96
96	● Standard: 96
896	-
Sub-meter High-precision Positioning	-
High-precision Map	-
Sentinel Mode	Standard
V2X Communication	-
Optional Package	-
Custom Options	Optional exterior, interior, wheels, brakes; 3TypeOptional Package
Optional Package	-
4-seatVIPpremiumPackage	-
4-seatVIPpremiumPackage	-
HALO Interactive Screen	-
VIPFour-SeatpremiumPackage	-
VIPFour-SeatpremiumPackage	-
Front rowDualZero GravitySeats	-
Front rowDualZero GravitySeats	-
Front rowDualZero GravitySeats	-
IntelligentInductionPowerDoorPackage	-
IntelligentInductionPowerDoorPackage	-
IntelligentInductionPowerDoorPackage	-
Intelligent WelcomePackage	● Standard: IntelligentInductionPowerDoor, HALO Interactive Screen, FrontDoor WelcomeLogoLight; ■ Optional: Optional (RMB 20,000)
Intelligent WelcomePackage	IntelligentInductionPowerDoor, HALO Interactive Screen, FrontDoor WelcomeLogoLight

Parameter	Avita 12 2024 650 Triple LiDAR All-Wheel Drive Performance version
Intelligent Welcome Package	■ Optional: Optional (RMB 20,000)
Comfort Package	-
Comfort Package	-
Comfort Package	-
luxury Cinema Package	-
luxury Cinema Package	-
luxury Cinema Package	-
Ultra-Clear Electronic Exterior Rear Mirror	-
Ultra-Clear Electronic Exterior Rear Mirror	-
Ultra-Clear Electronic Exterior Rear Mirror	-
High-Performance Air Suspension Package	-
High-Performance Air Suspension Package	-
High-Performance Air Suspension Package	-