THE KIA EV3
FACTS & FIGURES GUIDE

Movement that inspires


K IA 854E

THE KIA EV3
INDEX

1 Overview

6 Exterior Design
8 Charging the Kia EV3
10 Cockpit & Controls
14 Frunk & Trunk
16 TheTest Drive Fleet

2 The Kia EV3

22 Details
23 Exterior Dimensions
23 Interior Dimensions
24 Exterior Color Options
25 Interior Color Options
26 Electric Global Modular Platform (E-GMP)
28 Powertrain System
30 Battery Technology
31 Multi-Fast Charging System
32 Bi-Directional Charging

3 Driving

36 Powertrains
38 Aerodynamics
40 All-Electric Range
42 Drive Mode Select
43 Regenerative Braking System
45 Structure & Stiffness
46 Acoustics & NVH
47 Towing Capacity
47 Safety

4 Advanced Driver Assistance

50 Parking Distance Warning
50 Parking Collision-Avoidance Assist
51 Rear Cross-Traffic Collision-Avoidance Assist
51 Safe Exit Warning & Assist
52 Remote Smart Parking Assist 2
54 Blind-Spot Collision-Avoidance Assist
55 Blind-Spot View Monitor
55 Surround View Monitor
56 High Beam Assist
56 In-Cabin Camera
57 Driver Attention Warning
57 Forward Collision-Avoidance Assist 2
59 Intelligent Speed Limit Assist
60 Lane Following Assist 2 & Lane Keeping Assist
61 Highway Driving Assist 2 with Hands-on Detection
62 Navigation-based Smart Cruise Control Zone & Curve
63 Smart Cruise Control 2 with Emergency Stop

5 Comfort & Convenience

66 Sustainable Interior
67 Seat Functionalities
68 Dual-Color Ambient Lighting
69 Sliding Tray
70 Head-Up Display
71 Intuitive Usage

6 Infotainment & Connectivity

74 Connected Car Navigation Cockpit
76 Kia Connect
78 Kia Upgrades
79 Digital Key 2.0
80 Harman/Kardon Premium Sound System

THE KIA EV3 Overview

Exterior Design

The Kia EV3 exterior design stands out as a dynamic crossover. The agile silhouette with the geometric body fully embrace the Joy for Reason chapter of the “Opposites United” philosophy. The available trims, GT-line and Baseline, are defined through a multitude of different details such as dedicated front and rear bumpers, different wheels, and front, side and rear garnish along with many more details and materials.

GT-line

Exterior Design

Baseline

(1) 19" alloy wheels: dedicated design for both Baseline and GT-line
(2) Small cube LED-headlamps and day time running lights
(3) Digital Tiger Face
(4) Front bumper with active air flaps
(5) Starmap rear LED lights
(6) Rear bumper
(7) Automatic flush handles
(8) Side garnish

Charging the Kia EV3

The Kia EV3 has its CCS (Combined Charging System) on the front wheel arch on the passenger side (LHD) (driver side for RHD) that allows for ultra-fast charging with up to 128 kW.

Charging the Kia EV3

How does it work?

The charging door can be opened by using the push-to-open fuctionality directly at the charging door when the car is unlocked.

After charging, simply close it again and lightly apply pressure to ensure the door is securely closed.

When charging the high-voltage battery, the charge level can be checked from outside the vehicle.

Sky Blue Light
Continuous: The indicator light turns continuously when the charging door is open or when the vehicle is in standby mode.
Blinking: The indicator light blinks when the charging connector is connected and the vehicle is communicating with the charger.

Standby/unlock

Communication between vehicle and charger

Green Light
Continuous: The indicator light turns continuously when the charge level reaches 100%.
Blinking: The indicator light blinks while charging is in progress.
The indicator light blinks more slowly as the vehicle's charge level increases.

Charging completed

Charging start/charging in progress

Orange Light
(Only) Continuous: The indicator light turns continuously when scheduled charging is set.

Charging scheduled

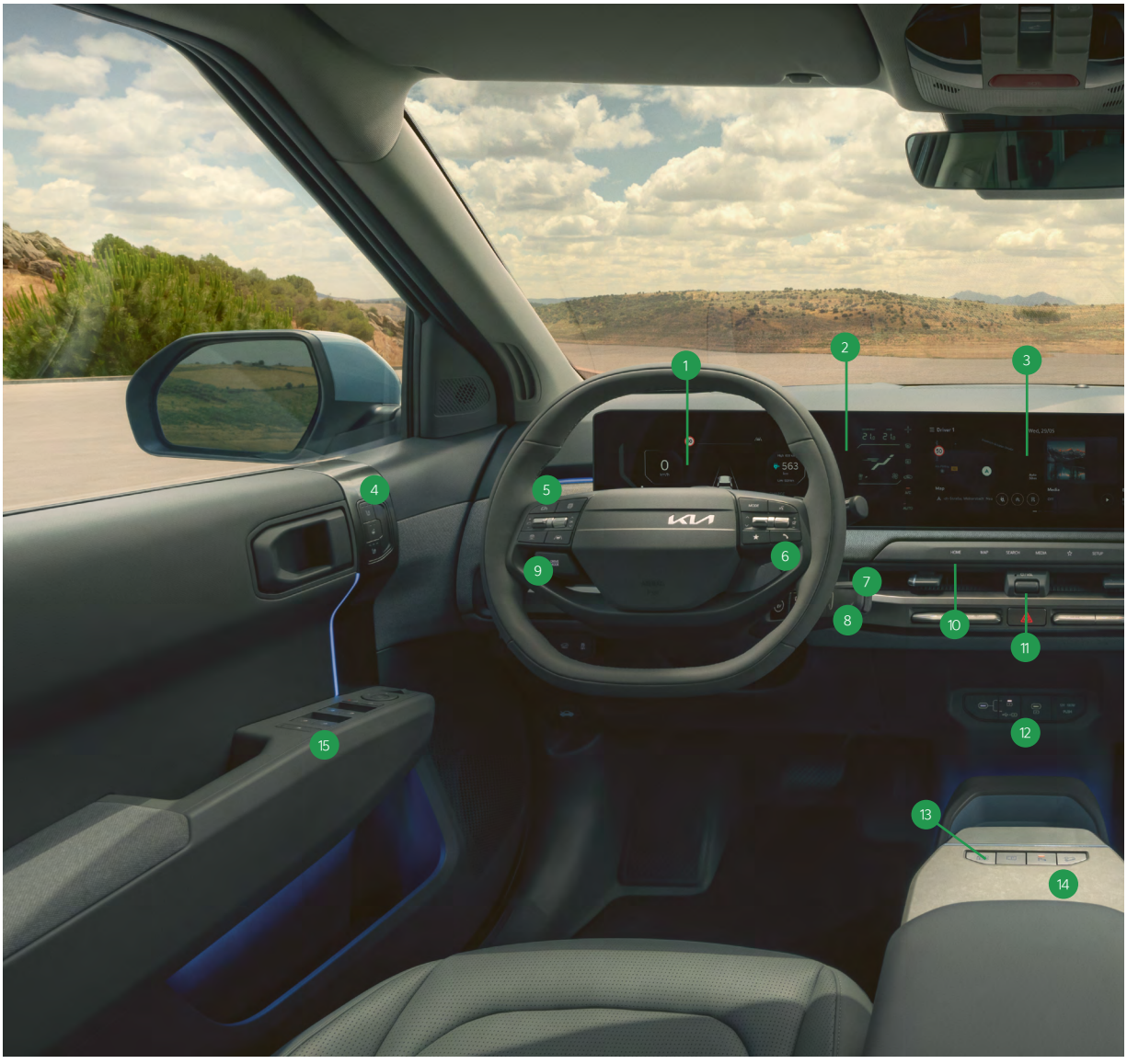
Red Light
(Only) Blinking: The indicator light blinks if there is an issue preventing charging due to a problem with the vehicle or the charger.

Charging failure
(external charger error)

Charging failure
(vehicle error)

Cockpit & Controls

The interior of the EV3 fully embraces the Kia “Opposites United” design philosophy. A living room feeling is achieved by perfectly balancing simple yet precise executions and materials. The shape and surface of the crash pad create a wider visual sense, while solid and vertical garnish make the interior sophisticated.



Cockpit & Controls

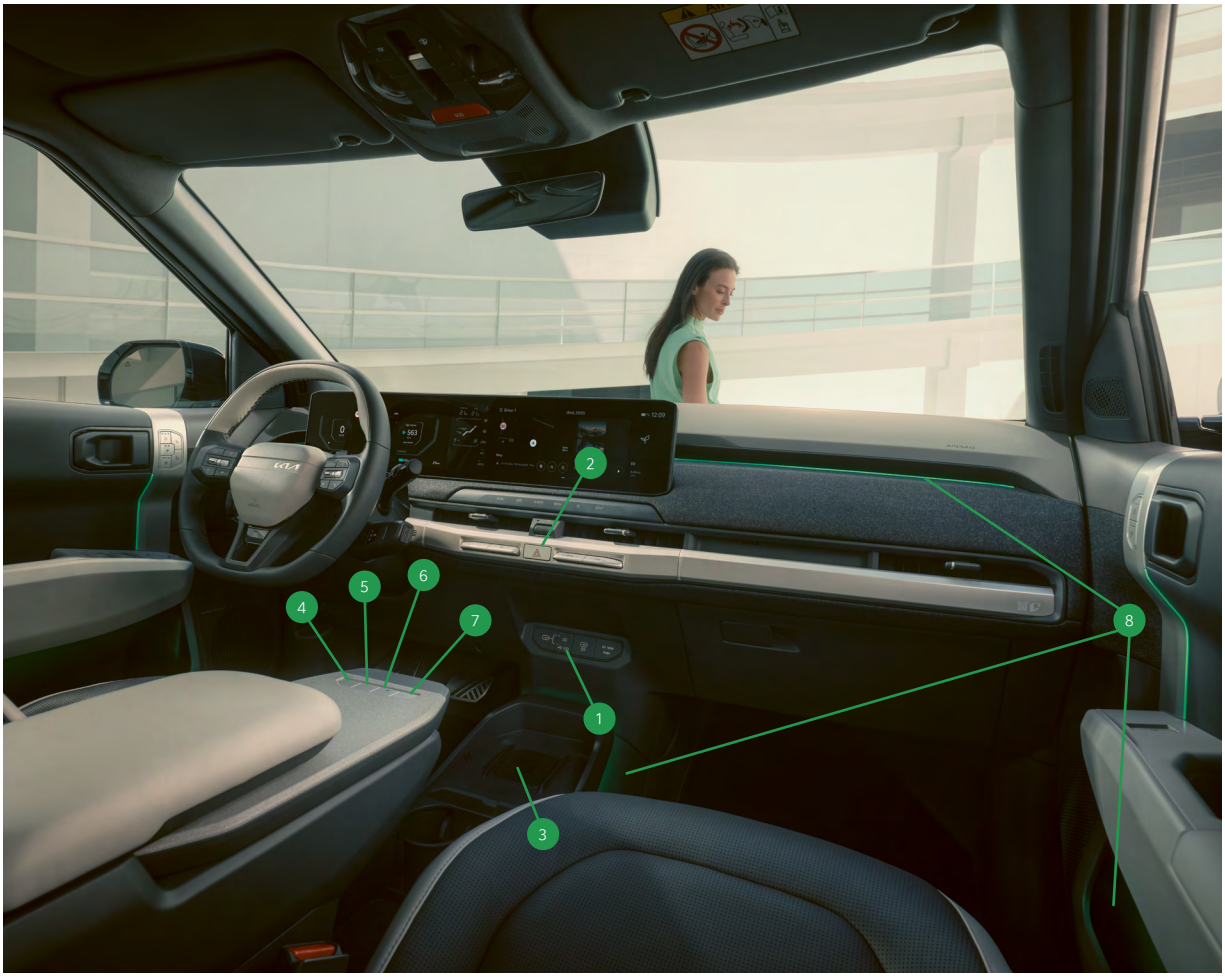
(1) 12.3" Supervision Cluster
(2) 5.3" Climate control segment display
(3) 12.3" Infotainment touchscreen
(4) IMS, seat heating, seat ventilation and heated steering wheel buttons
(5) Driving assist buttons
(6) Audio remote control buttons
(7) Gear select lever
(8) Engine Start-Stop button
(9) Drive Mode Select
(10) Haptic feedback multimedia buttons
(11) Adjustment for volume or temperature
(12) USB-C ports for multimedia & charging + 12V port
(13) Support buttons
(14) Sliding tray
(15) Window and mirror controls
(16) QR code for Kia sustainability strategy

Cockpit & Controls

(1) Gear selector/Start-Stop button
(2) Paddle shifters for regenerative braking
(3) In-Cabin Camera - driver
(4) Driving assist buttons
(5) Drive Mode Select
(6) Electronic parking brake
(7) Open/close smart power tailgate
(8) ESC OFF
(9) Unlock flush hood

Cockpit & Controls

(1) USB-C Ports for multimedia & charging + 12V port
(2) Hazard lights button
(3) Wireless smartphone charging station
(4) Auto hold
(5) Surround view camera and RSPA
(6) Parking Distance Warning
(7) Downhill control
(8) Bi-color ambient lighting
(9) Sliding tray



Frunk & Trunk

Right under the hood, the Kia EV3 offers a convenient FRUNK (Front Trunk) with 25 liters additional storage space, perfect for storing the charging cable.

The sealing structure of the frunk has been improved from the conventional panel sealing to pad sealing to improve opening and closing performance.

Frunk & Trunk

The Kia EV3 offers segment leading capacity for both passengers and luggage. Depending on the seating layout, the trunk volume ranges from 460 liters to 1,250 liters when the 2nd row is folded.

Accessing the trunk

Conveniently unlock the trunk via your Smart Key, Digital Key, the Kia Connect app or the crash pad button.

It will also open automatically if you approach it with your Smart Key or Digital Key in your pocket.

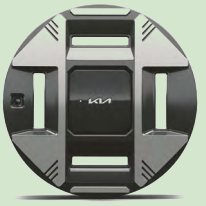
The Test Drive Fleet - Exterior color options

GT-line

19" Alloy Wheel

Baseline

17" Alloy Wheel



19" Alloy Wheel

The Test Drive Fleet - Interior color options

GT-line

Baseline

Test Drive Fleet

Technical Specifications

Type	Battery Electric Vehicle (BEV)
Engine	BEV - Permanent Magnet Synchronous Motor
Gearbox	Single Speed Transmission
Power Output	150 kW (204 HP @ 5,200~9,600 rpm)
Torque - Combined	283 Nm @ 0~5,000 rpm
Top Speed	170 km/h
Acceleration 0-100 km/h	7.7 sec
Battery Capacity	81.4 kWh
AER - combined	605 km (WLTP, combined)
AER - city	773 km (WLTP, city)
CO2 Emissions*	0 g/km
Energy Consumption*	14.9 - 16.2 kWh/100 km
On-Board Charger (AC)	11 kW
Max. Charging Power (DC)	128 kW
Min. Charging time 10-80%	31 min.
Max. Kilometer charged in 15 min.	202 km
Dimension - Exterior (LxHxW)	4,300 (GT-line: 4,310) x 1,560 x 1,850 mm
Wheelbase	2,680 mm
Max. Curb weight	1,930 kg
Max. Gross weight	2,355 kg
Max. Towing capactiy - braked	1,000 kg
Max. Vertical load	100 kg

*Consumptions and emissions were determined according to the standardized EU measurement procedure (WLTP). The individual driving style and other external factors have an influence on the actual efficiency.

Test Drive Fleet

Test cars are equipped with the following items as standard

Advanced Driver Assistance Systems

- ✓ **MCB - Multi Collision Brake**
- ✓ **In-Cabin Camera** - Driver Safety
- ✓ **PCA** - Parking Collision-Avoidance - Front/Side/Rear
- ✓ **N-SCC 2** - Navigation-based Smart Cruise Control 2
- ✓ **BCA** - Blind-Spot Collision-Avoidance
- ✓ **BVM** - Blind-Spot View Monitor
- ✓ **SVM** - 360° Surround View Monitor
- ✓ **RSPA** - Remote Smart Parking Assist
- ✓ **LFA 2** - Lane Following Assist & **LKA** - Lane Keeping Assist
- ✓ **FCA 2** - Forward Collision-Avoidance
- ✓ **HDA 2** - Highway Driving Assist - with Hands-on Detection
- ✓ **7 Airbags**
- ✓ **TSA** - Trailer Stability Assist
- ✓ **DBC** - Downhill Brake Control
- ✓ **SEA** - Safe Exist Assist

Interior, Comfort & Convenience

- ✓ **ISOFIX**
- ✓ **HUD** - Head-Up Display
- ✓ **Middle Armrest and Sliding Table**
- ✓ **Power Seats front** - Driver & Passenger
- ✓ **Lumbar Support** - Driver
- ✓ **Dynamic Bi-Color Ambient Lighting**
- ✓ **Rain Sensor**
- ✓ **Digital Key 2.0**
- ✓ **Smart Key**
- ✓ **2-Spoke Steering Wheel**
- ✓ **Heated Seats** - Front & Rear
- ✓ **Power Windows: Auto Up/Down** - Front
- ✓ **2-Zone A/C**
- ✓ **Vehicle-to-Load (V2L)** - Interior Socket
- ✓ **Vehicle-to-Load (V2L)** - Exterior Connector
- ✓ **Smart Power Tailgate**
- ✓ **Artificial Leather Seats** - Grey Two-Tone
- ✓ **Adjustable Level Luggage Board - 2-step**

Multimedia

- ✓ **Wireless Smartphone Charger**
- ✓ **12.3" Infotainment Display**
- ✓ **5.3" Segment Display for Climate Control**
- ✓ **12.3" Supervision Cluster**
- ✓ **Harman / Kardon Premium Sound System** - 8 System Speakers
- ✓ **USB-C Chargers in Front Seats**
- ✓ **Wireless Apple Carplay/Android Auto**

Exterior

- ✓ **Privacy Glass** - Rear Windows
- ✓ **Dynamic Welcome Light** - Front & Rear Lights
- ✓ **Automatic Flush Handles** - Front
- ✓ **17" Alloy Wheels** - Aero
- ✓ **Matte Wheel Arch Molding & Satin Chrome Side Garnish**
- ✓ **Laminated Glass** - Windshield, 1st & 2nd row
- ✓ **Roof Rails**
- ✓ **Hidden Rear Wiper**

EV Specific

- ✓ **Battery Heating System** - Battery Conditioning Function
- ✓ **Regenerative Braking System** - With Paddle Adjustment
- ✓ **Heat Pump**

Some Baseline cars are equipped with the following optional equipment

- ✓ **Sunroof**
- ✓ **19" Alloy Wheels** - Baseline

GT-line (additional equipment vs. Baseline)

- ✓ **3-Spoke Steering Wheel**
- ✓ **Premium Relaxation Seat** - Driver & Passenger
- ✓ **Lumbar Support** - Passenger
- ✓ **Ventilated Seats** - Driver & Passenger
- ✓ **Memory Seat** - Driver
- ✓ **Power Windows: Auto Up/Down** - Rear
- ✓ **Mesh Headrest** - Front
- ✓ **Premium Seat Back Covering (Cloth)** - Front
- ✓ **Metal Pedals**
- ✓ **Artificial Leather Seats** - Off-White Two-Tone
- ✓ **19" Alloy Wheels** - GT-line
- ✓ **High Glossy Black Wheel Arch Molding**
- ✓ **Body-colored Door Side Garnish**
- ✓ **High Glossy Black Outside Mirror**
- ✓ **GT-line Bumper** - Front & Rear

Some GT-line cars are equipped with the following optional equipment

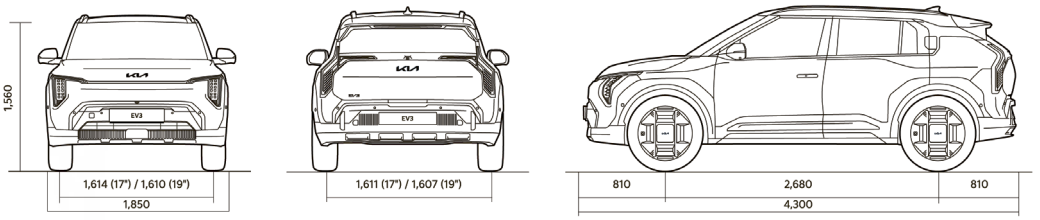
- ✓ **Sunroof**

THE KIA EV3

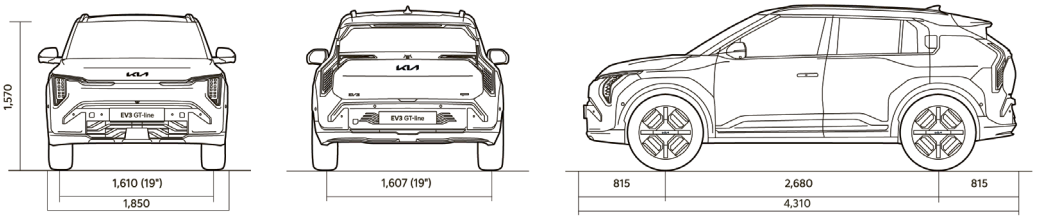
The Kia EV3 redefines the compact electric SUV sector by defining its own character and offering a bold exterior and innovative interior design that maximizes space and emphasizes accessibility. Additionally, it prioritizes customer empowerment, tailoring its design and features to match individual lifestyles. This allows for a personalized and meaningful driving experience, making the EV3 a moving power for positive change.

Exterior Dimensions

Baseline



GT-line



Interior Dimensions

Exterior Color Options

The EV3 comes with an extensive offer of exterior body colors, also including a matte option.

GT-line & Baseline - Glossy Paint

Aurora Black Pearl

Terracotta

Aventurine Green

Ivory Silver

Frost Blue

Shale Grey

Clear White

Deluxe White

GT-line & Baseline - Matte Paint

Ivory Silver Matte

Interior Color Options

The interior color options for the EV3 are inspired by the natural elements of Air (subtle grey) and Earth (warm grey).
GT-line has a dedicated onyx black interior.

GT-line - Artificial Leather

Off-white two-tone

Baseline - Artificial Leather

Subtle Grey two-tone

Warm Grey two-tone

Baseline - Cloth

Subtle Grey two-tone

Warm Grey two-tone

Electric Global Modular Platform (E-GMP)

The EV3 is built on Kia's dedicated Electric Global Modular Platform (E-GMP), which allows long range driving above 600 km, upper segment interior space and fast charging.

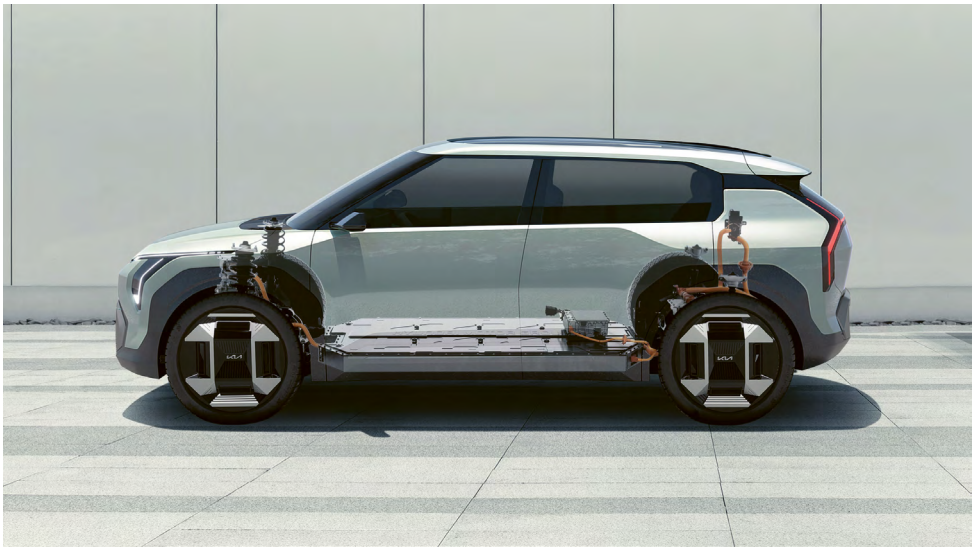
Electric Global Modular Platform (E-GMP)

The E-GMP's flexibility and standardization enable Kia to create various vehicle types by adjusting the wheelbase, simplifying product planning, and offering a wide range of models to cater to different customer preferences.

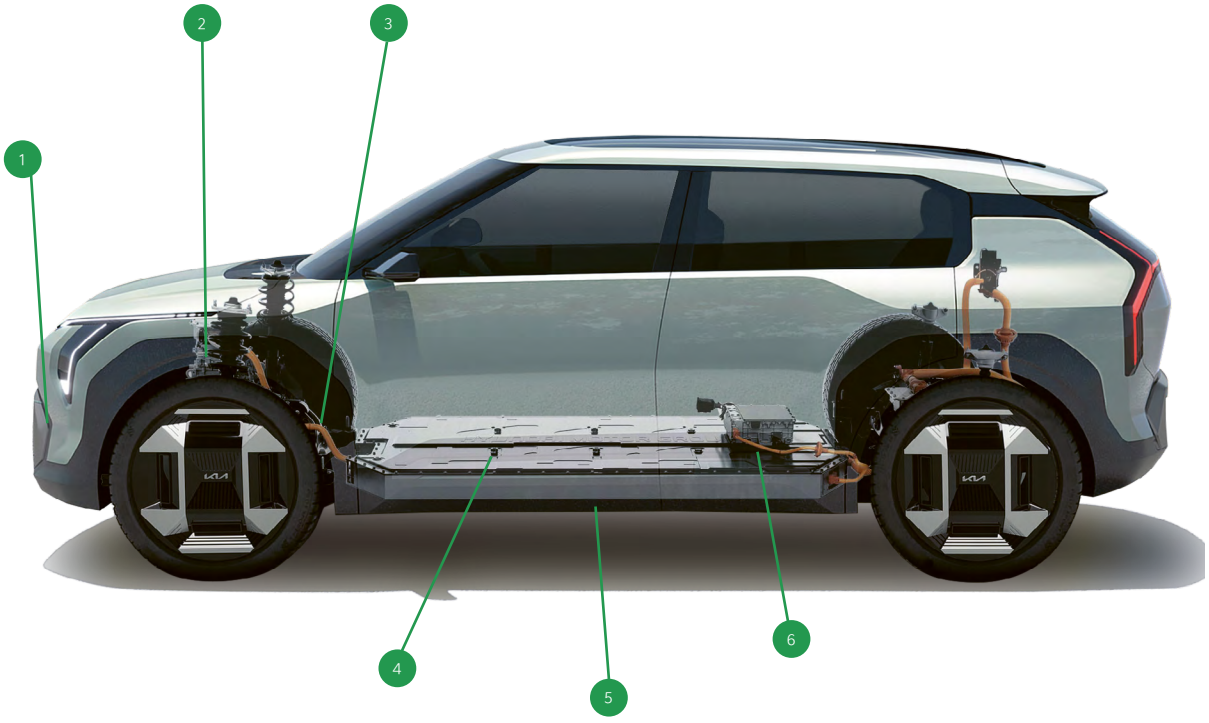
Segment-Leading Interior Space

Thanks to the layout of the E-GMP with it's short front and rear overhangs, the long wheelbase and additonally a flat floor design, the EV3 revolutionizes the usage space to make the EV3 the most spacious in its class.

The new front wheel drive layout of the EV3 platform provides even more space for the trunk area.

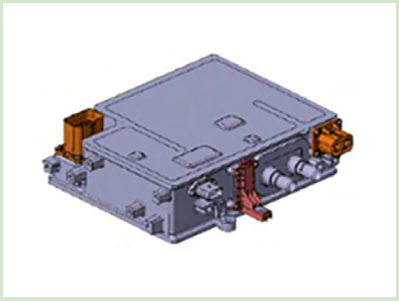


Powertrain System



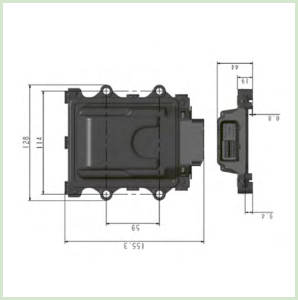
(1) Active airflaps
(2) Front permanent synchronous motor
(3) AC cables
(4) High-Voltage battery
(5) Reinforced flat floor
(6) ICCU

Powertrain System



ICCU
Integrated Charging Control Unit
The ICCU consists of the onboard charger (converting 220V to 400V), a low DC-DC converter (converting 400V to 12V) and the bi-directional charging unit (converting 400V to 220V). It is responsible for bi-directional charging and the low power electronical systems.

Inverter
The rear multi-inverter is installed to the main front drive motor and comes with a new silicon carbide (SiC) power module. The inverter now also features over-the-air (OTA) reprogramming support and can independently perform fault diagnosis.



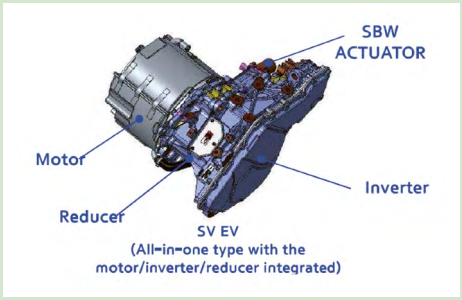
Vehicle Charging Management System (VCMS)
The VCMS controls the slow and fast charging sequence and convenience features as follows:

Charging:
- Manages the AC or DC slow charging sequence
- Responds to the charging standard by region

Plug & Charge (PnC):
Allows automatic authentication and payment during the vehicle charging

Vehicle-to-Load (V2L):
Supplies power to the inside and/or outside of the vehicle by using the bi-directional ICCU

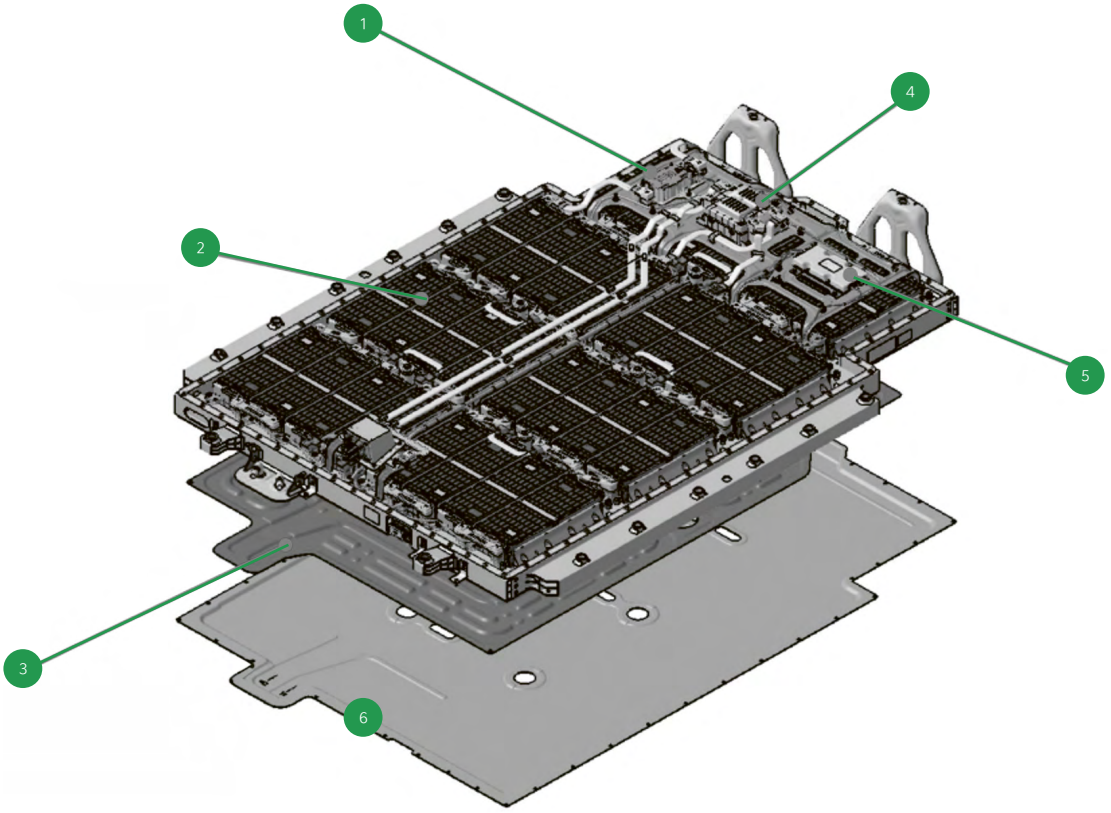
Charging Convenience Features:
- Locks the inlet charging cable and detects the temperature
- Displays charging-related information and provides alarms



Front Motor/Reducer
The front motor/reducer system has been optimized through a 3-in-1 design that integrates the drive motor, reducer, and inverter into a single housing, reducing weight and size.
Key design enhancements include an 8-pole hairpin winding, inductive location sensors, and a 3-phase fastening structure.
Cooling efficiency has been improved by optimizing the motor's housing and core shapes, as well as integrating the cooling line with the inverter.
Durability is strengthened by using insulated bearings, while power performance is boosted to handle 16,000 rpm and 400V.

Battery Technology

The EV3 features the latest battery technology. The fourth generation high-voltage battery offers a greater capacity and greater energy density per cell compared to the previous generation in order to keep the battery as compact as possible.



1. **High-voltage Fuse**
   Power off in overcurrent and short situation
2. **Battery Module Assembly**
   Storage and supply of energy required for the vehicle cell protection and support structure
3. **Cooling Water Channel**
   Cooling water channel for battery cooling/heating
4. **PRA (Power Relay Assembly)**
   Connects to or blocks the high-voltage battery and monitors/measures the current
5. **BMU (Battery Management Unit), CMU (Cell Monitoring Unit)**
   Voltage and temperature monitoring
   SOC/SOH operation
   Output limit and diagnostics
   Cooling and relay control
6. **Bottom Protection**

Multi-Fast Charging System

Thanks to the 400V high speed charging, 15 minutes of charging results in up to 205 km of all-electric driving range. The EV3 can be charged from 10% to 80% in only 29 minutes with the Standard Range battery (58.3 kWh) and only 31 minutes with the Long Range battery (81.4 kWh).

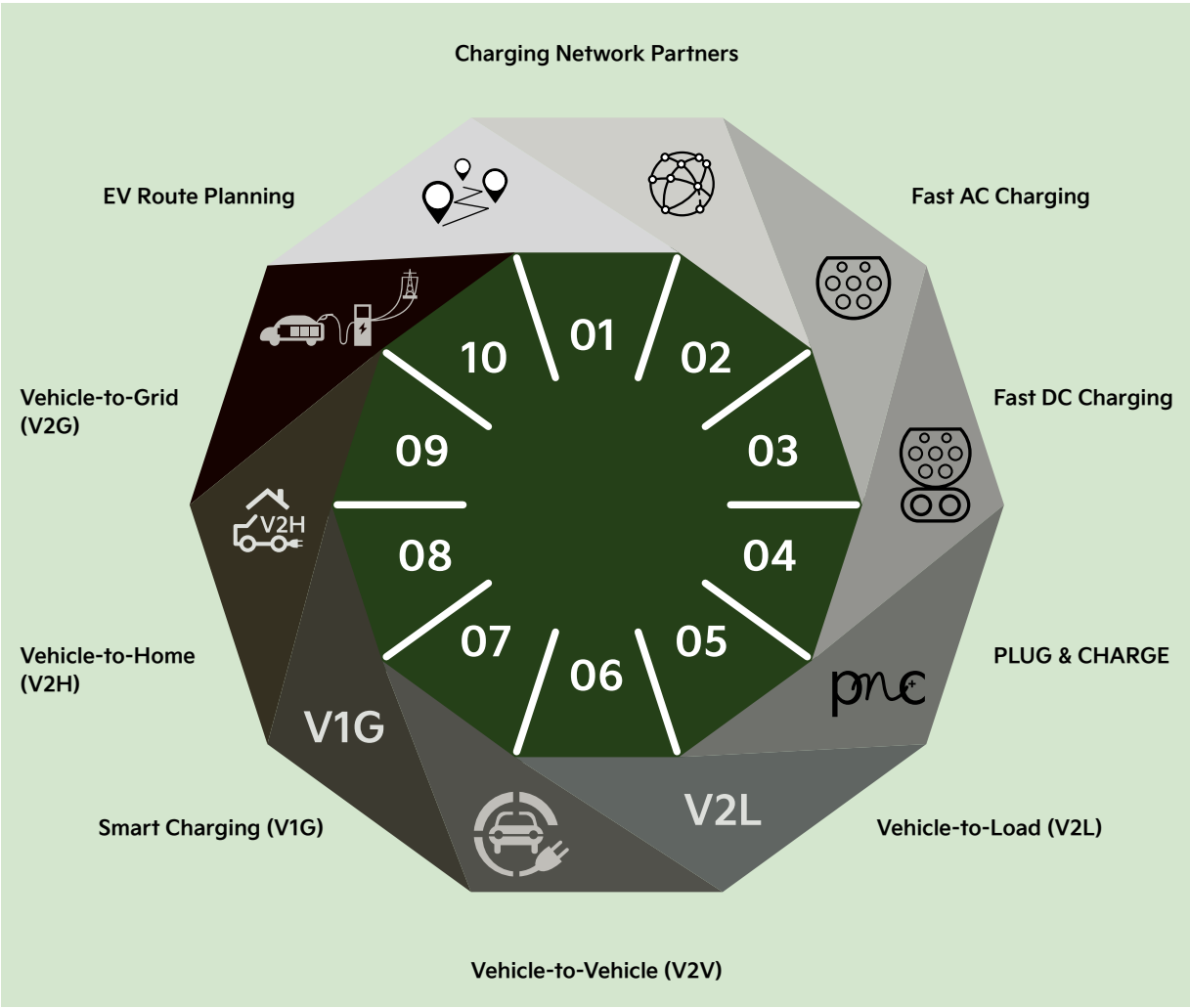
Bi-Directional Charging

Tomorrow's mobility sees EVs as much more than just a means of transport. EVs are energy storage devices that pass on their energy to households, the grid, or buildings when needed.

Thanks to the E-GMP and the increased battery capacity, the Kia EV3 can work as the ideal power supply for the daily life or leisure activities.
Similar to the Kia EV9, the EV3 is capable of offering 3.68 kW via the V2L outlets. Every EV3 is also ready for V1G, V2G and V2H/V2B which will gradually be introduced throughout European markets, starting with the Netherlands.

In the future, thousands of EVs connected to the grid could act as a virtual power plant, potentially providing enough energy to temporarily power cities.

Bi-Directional Charging



How does it work?

Scheduled Charging
Based on the driver's selection, the system decides whether the EV3 charges exclusively or with priority during the specified off-peak period. It allows charging to be controlled manually by the user.

Unidirectional Grid-to-Vehicle (V1G)
With V1G, electricity is supplied to the EV3 based on various factors (e.g. favourable electricity prices) either from a photovoltaic system or the public electricity grid. V1G dynamically manages the vehicle's power and charging times to provide cost benefits. For example, it is charged when it is cheapest.

Vehicle-to-Home (V2H) & Vehicle-to-Building (V2B)
With V2H or V2B, the EV3 serves as a power supplier and buffer for private/semi-private use. The EV3 acts as energy absorber (e.g. when solar energy is high) and emitter when it is needed (e.g. when there is no solar energy). Instead of buying and adding new batteries for storage, the existing batteries in the EV3 can be used as storage.

Vehicle-to-Grid (V2G)
With V2G, the EV3 serves not only as an electricity storage and buffer for buildings, but also for the electricity grid. Customers return electricity to the public grid via their EV3 in exchange for a kW-hour price.

Vehicle-to-Load (V2L)
V2L can be divided into two types: V2L Inside (socket in the interior) and V2L Outside (V2L connector in the charging socket). Both deliver a maximum output of 3.68 kW which can be used to charge or power electric devices or other electric vehicles.

THE KIA EV3 Driving

Powertrains

The Kia EV3 comes in two different configurations: Standard Range and Long Range. It is currently available as Rear-Wheel Drive (RWD), with All-Wheel Drive (AWD) to be introduced later in the vehicle's lifecycle.

Powertrains

The EV3 is equipped with a permanent magnet synchronous motor positioned on the front axle with a total output power of 150 kW and a torque of 283 Nm.

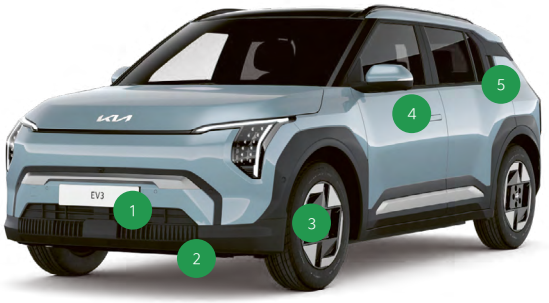
Technical Specifications

	Standard Range	Long Range
Battery Capacity (kWh)	58.3	81.4
Power (kW (ps))	150 (204)	150 (204)
Torque (Nm)	283	283
Top Speed (km/h)	170	170
0 → 100 km/h	7.5	7.7
All-Electric Range (km)	436	605

Consumptions and emissions were determined according to the standardized EU measurement procedure (WLTP). The individual driving style and other external factors have an influence on the actual efficiency. (2024)

Aerodynamics

The Kia EV3 offers excellent aerodynamic values thanks to a very streamlined body and unique solutions. Resulting in a drag coefficient (Cd) of just 0,263.

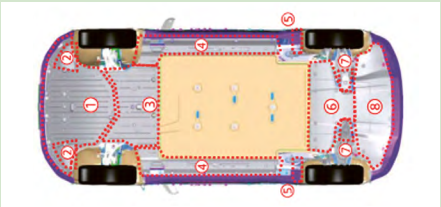


(1) Active Air Flap
(2) 3D underbody
(3) Low drag wheels
(4) Auto-flush door handles (front)
(5) Boat tail shape
(6) Aerodynamic elements

Aerodynamics

(1) Active Air Flap: Electronically controlled component behind the front bumper to cool the vehicle parts (opened) and improve energy efficiency (closed).

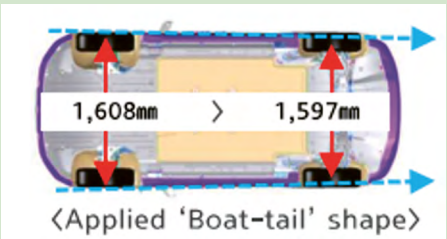
(2) By redesigning the shape of the undercover and increasing the coverage to ~80%, the flow under the vehicle is optimized and the vehicle's air resistance is reduced.



(3) The specially designed 17" aero wheels improve the air flow around the wheel arches.

(4) Besides giving a technological advanced feel and a clean look of the side, the auto-flush door handles in the front also ensure a smooth surface while driving.

(5) By applying a boat tail shape, the vehicle's side flow is streamlined, reducing turbulent airflow at the rear. This shape minimizes pressure drag by allowing the airflow to smoothly reattach behind the vehicle, resulting in less air resistance and improved overall aerodynamic efficiency.



(6) The EV3 features various additional items that improve aerodynamic performance, such as a spoiler shape at the bottom of the rear bumper that optimizes the flow balance. The wheel gap reducer and radius shape on the wheel arches also improve the air flow of the car.

All-Electric Range

The EV3 powertrain is developed to offer low energy consumption and enable low noise driving. This is especially pleasant in urban and residential areas.

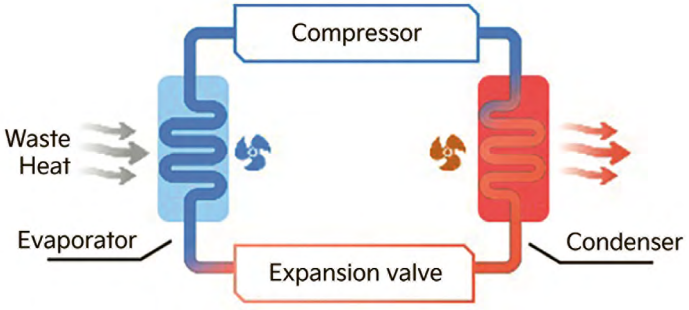
With a range of up to 605 kilometers (WLTP combined), the Kia EV3 sets a new standard.

All-Electric Range

Battery Positioning

The high-voltage battery can be considered the heart of electric vehicles. It is essential to carefully balance the weight distribution, usage of space, and performance.

EV3
The battery pack is positioned underneath the whole cabin floor to distribute the weight evenly. Thanks to this positioning, the battery does not influence the luggage space, with the EV3 offering one of the largest trunks in the segment in terms of volume.



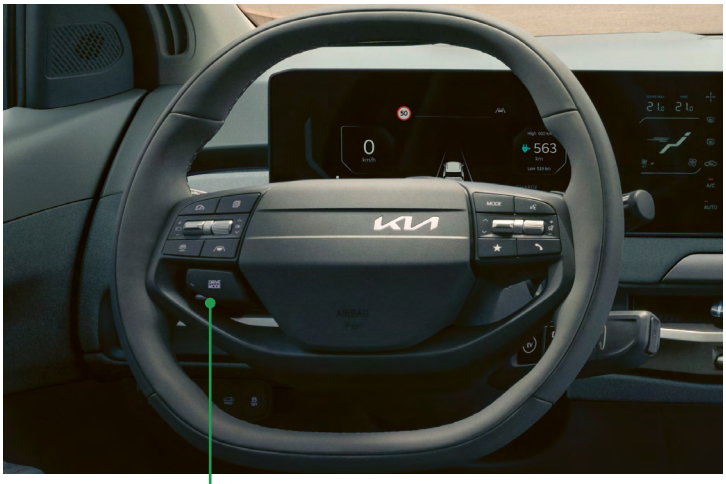
Heat Pump

How does it work?
A heat pump can heat and cool the interior. For cooling, it works similarly to a refrigerator: The system extracts heat from the interior and conducts it to the outside.

What are the benefits?
- 18 - 43% higher energy efficiency compared to conventional heating or air conditioning (depending on the outside temperature)
- Less energy consumption from the high-voltage battery and more range

Drive Mode Select

The Kia EV3 comes with four different drive modes designed to suit different driver preferences on the road. Torque mapping, ESC, energy consuming systems, and steering are managed to provide the most suitable driving experience.



How to activate:

Press the Drive Mode button on the steering wheel to switch between the drive modes.

ECO:
The system focuses on energy-efficient driving, flattening the power curve, reducing energy consumption, and saving energy from the climate control system.

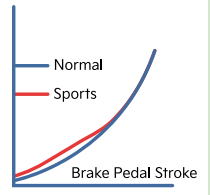
NORMAL:
The system focuses on balanced driving, moderating the power curve and the energy consumption as well.

SPORT:
The system focuses on sporty driving, sharply raising the power curve.

MY DRIVE:
The driver can regulate all the settings in order to meet their individual driving needs.

SNOW:
Provides safe driving in snowy conditions.

Besides the Drive Modes, the Kia EV3 also introduces for the first time a Sports Braking mode, which improves braking linearity, braking feel, and performance.



<Diversification of braking feel>

Regenerative Braking System

The regenerative brake converts kinetic energy into electrical energy during coasting. The energy is recycled, so to speak, and can be used again to power the EV3.

Regenerative braking can be adjusted via the paddle shifters behind the steering wheel. If the battery is fully charged or regenerative braking is not sufficient to decelerate, the disc brakes will be used. Thanks to an integrated electronic brake, the electronic control enables linear braking at all times.

Benefits

- Increased energy efficiency and extended range through regenerative braking
- Less wear on the mechanical brake and thus reduced running costs
- Automated regenerative braking in ‘Smart Regeneration Mode’

Regenerative Braking System

Pedal Stop Mode, i-Pedal, Level 3, Level 2, Level 1, Level 0, and Smart Regeneration Mode.
These are the names of our seven regenerative braking levels that can be activated via steering wheel paddles.

Left Steering Wheel Paddle

- Stronger braking when coasting
- More energy recovery

Right Steering Wheel Paddle

- Weaker braking when coasting
- Less energy recovery

i-Pedal (intelligent Pedal)

With the i-Pedal, the driver can drive, accelerate, and decelerate using only the throttle. This is one-pedal driving.

How to Activate
Press the left paddle one more time over the Level 3 (3 clicks starting from Level 0). This introduces i-Pedal driving and the logo is displayed in the vehicle's cluster.

New:
The i-Pedal now features a memorization function to ensure consistency. Newly introduced from the EV3 onwards, i-Pedal will also operate in reverse, making one-pedal driving available moving forward and backwards. The Reverse i-Pedal function can be turned on or off via the AVNT.

Notes:
The regenerative brake does not work when
- a trailer is attached to the vehicle
- the brake pedal is applied
- the vehicle is 100% charged
- 'SNOW Mode' is active and the driver wants to engage a level higher than 1
- both paddle shifters are operated at the same time

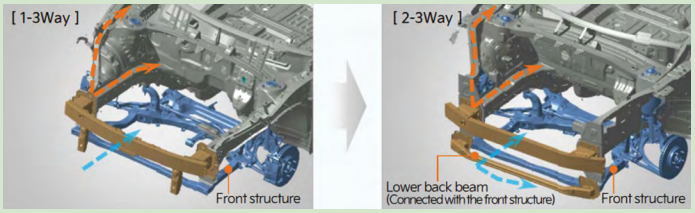
Smart Regeneration Mode

SRBS-Smart Regenerative Braking System
SRBS improves the vehicle's range and stability by optimizing front and rear-wheel regenerative braking. It is operated via the steering wheel paddle switches and adjusts the level of regenerative coasting based not only on navigation data, but on radar data as well.

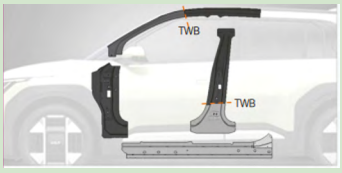
How to Activate
Pull the right paddle for one second to activate the Smart Regeneration System. You will see AUTO in the driver cluster. The Smart Regeneration System can be accessed from any level.

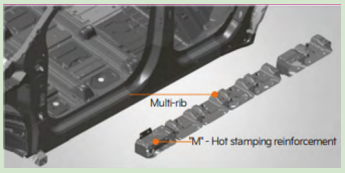
Structure & Stiffness

The EV3 uses the latest design advances and material technologies to increase the body strength and enhance the safety of all passengers.



To improve safety in case of a crash, the load paths have been improved by applying an additional lower back beam that is connected to the front structure.





The Kia EV3 comes with increased thickness in main reinforcements. Also the door openings and side sill plates are thicker to improve overall structure and safety.

Expansion of the hot-stamping process in order to increase the average tensile strength by applying a multi-lip structure in the side sill.


Span shrink front wheel members and lower stiffeners

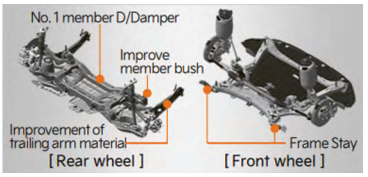

New 100K trailing arm introduced

Extensive use of lightweight, high-strength aluminum materials to decrease the weight of the car, improving fuel economy and strength-to-weight ratio.

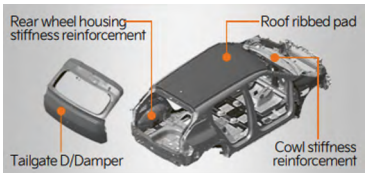
Acoustics & NVH

NVH (Noise - Vibration - Harshness) is one of the main pillars when developing a new electric vehicle in order to guarantee a well-perceived quality and the highest level of driving comfort.

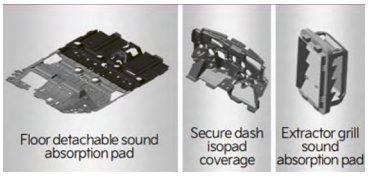
NVH Performance



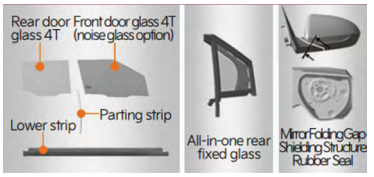
1. Suspension input load improvements



3. Reinforced stiffness in the tailgate and wheel housing to improve acoustical sensitivity

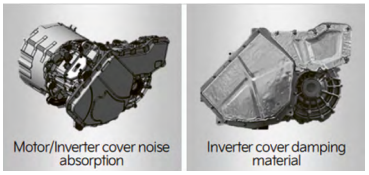


2. Sound absorption coverage in the floor and dashboard is improved for high frequency shielding

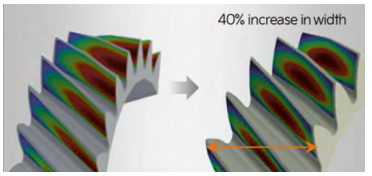


4. Glass sound insulation and thickness is increased to improve wind noise

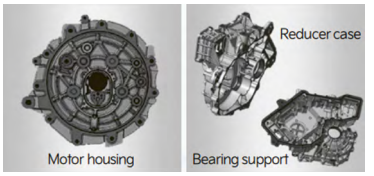
Powertrain NVH Performance



1. Reduced Powertrain radiation noise in the motor and inverter



2. Reduced gear excitation force by optimizing gear teeth width



3. Structural reinforcement by adding case ribs

Towing Capacity

For many customers, the towing capacity of the respective EV is representative of the vehicle's overall functionality. The Kia EV3 impresses with a maximum towing capacity of up to 1,000 kg.

Towing Performance

The Standard Range battery (58.3 kWh) has a towing capacity of 500 kg, while the Long Range battery (81.4 kWh) can tow up to 1,000 kg. The EV3 has a permissible drawbar load of 100 kg and the roof load is 80 kg.

Safety

A total of 7 airbags increases the safety of the EV3 passengers.

(1) Driver Airbag (1x)
(2) Passenger Airbag (1x)
(3) Side Curtain (2x)
(4) Center Side Airbag (1x)
(5) 1st Row Side Airbags (2x)

THE KIA EV3 Advanced Driver Assistance

Parking Distance Warning

The Parking Distance Warning provides a warning to avoid a collision with pedestrians and objects around the vehicle while parking or exiting.

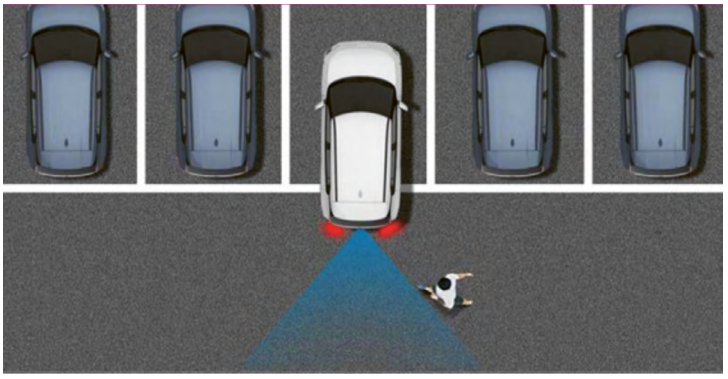
How does it work?

Displays the distance to surrounding objects using color and contour lines while parking and exiting.

1 Green: 0.6 - 1.2 m
2 Yellow: 0.3 - 0.6 m
3 Red: until 0.3 m

Parking Collision-Avoidance Assist (PCA)

PCA helps avoid a collision with rear pedestrians or objects while parking or exiting a parking space.

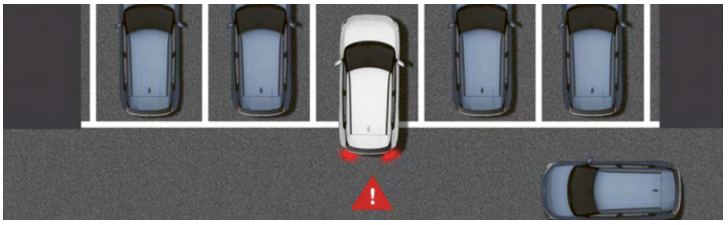


How does it work?

1. When driving at low speeds, warnings are issued and braking control is applied if there is a risk of a collision with objects or pedestrians in the front, side, or rear surroundings.
2. To enable front/side safety, the rear safety feature must be selected. Use the parking safety button to turn it on and off.

Rear Cross-Traffic Collision-Avoidance Assist (RCCA)

RCCA helps avoid collisions with approaching vehicles from the left/right side while reversing.



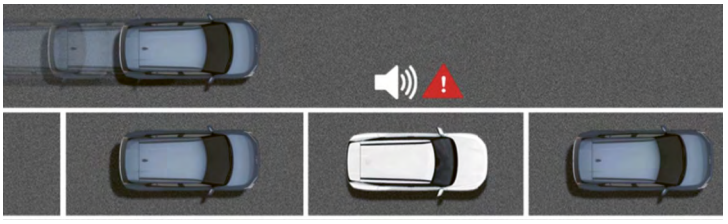
How does it work?

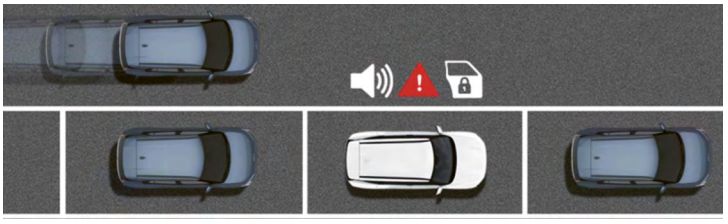
1. When driving at low speeds, warnings are issued and braking control is applied if there is a risk of a collision with objects or pedestrians in the front, side, or rear surroundings selected.
2. Use to enable front/side safety, the rear safety feature must be selected/use the parking safety button to turn it on and off.

Safe Exit Warning & Assist

Safe Exit Warning (SEW) provides a warning when a vehicle is approaching from the rear while getting out of the vehicle.

Safe Exit Assist (SEA) helps avoid collisions with approaching rear-side vehicles when exiting the vehicle by keeping the doors locked if a risk of a collision is detected.





How does it work?

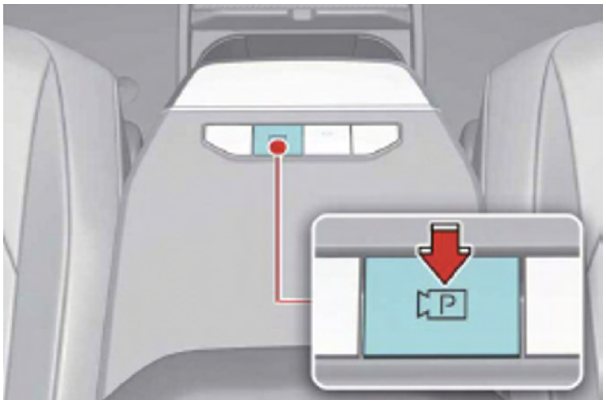
1. The electronic child lock is unlocked to allow rear seat passengers to exit safely.
2. If there is a risk of collision with a vehicle approaching from the rear-corner, the electronic child lock remains locked and a warning is issued.
3. Safe Exit Warning (all doors): When exiting the vehicle after a stop, if there is a risk of a collision with a vehicle approaching from the rear, a warning is issued.

Remote Smart Parking Assist 2

A parking convenience function that helps you park and leave the vehicle remotely. Remote Smart Parking Assist uses the front, front side, rear side, and rear ultrasonic sensors to detect parking spaces and controls vehicle steering, speed, and gear shifts, to help enter and exit parking spaces remotely from outside the vehicle.

Remote Smart Parking Assist 2

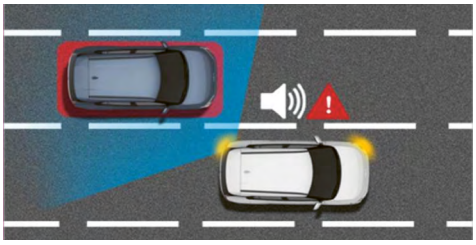
Remote Smart Parking button

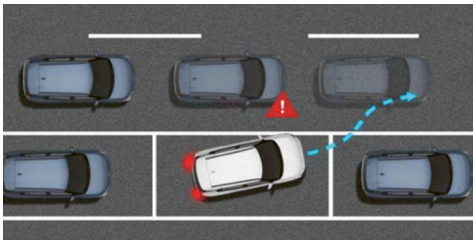
Parking/View button	Smart Key
	

Location	Name	Symbol	Description
Inside Vehicle	Parking/View button	P	• Press and hold the Parking/View button to turn on Remote Smart Parking Assist. Also, forward/reverse parking distance warning will automatically turn on.
Smart Key	Remote Start button	HOLD	• Press the Remote Start button after the door is locked with the vehicle off to start the vehicle remotely. • Press the Remote Start button while Remote Operation function is operating to end the function operation.
	Forward button	P	When using the Remote Smart Parking function, regardless of which direction button is pressed, reverse parking is supported while the button is pressed.
	Backward button	P	

Blind-Spot Collision-Avoidance Assist (BCA)

The system warns the driver about other vehicles in the blind spots when changing lanes and will also help to avoid a collision by braking and steering.



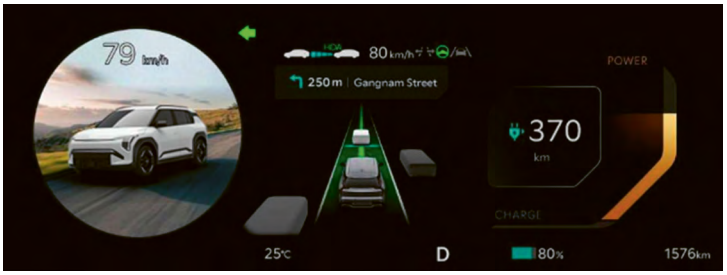


How does it work?

1. While driving, the BCA provides steering control to prevent collisions during lane changes. If the driver does not respond, BCA will counter steer and even apply the brakes to avoid collisions.
2. If there is a risk of a secondary collision with surrounding vehicles or objects due to evasive steering, evasive steering is not performed.
3. BCA during parallel parking: provides braking control to prevent collisions with rear-corner vehicles during a parallel forward parking exit.

Blind-Spot View Monitor (BVM)

This feature displays the driver's and passenger's side rear view area to reduce blind spots of the driver.



How does it work?

1. When the turn signal is activated, the cluster displays camera footage from the respective side.
2. The bottom SVM camera on the outside mirror is used for this process.
3. The field of view is twice that of the mirror, removing blind spots.

Surround View Monitor (SVM)

The SVM helps with safe driving by displaying the surroundings on video when driving slowly or parking.

How does it work?

1. Displays footage of the vehicle's front/rear/left/right camera to create a 360* view.
2. 4-view modes: front view, rear view, 3D view, and rear view while driving.
3. To activate, either press the camera support button or engage the reverse gear.

High Beam Assist (HBA)

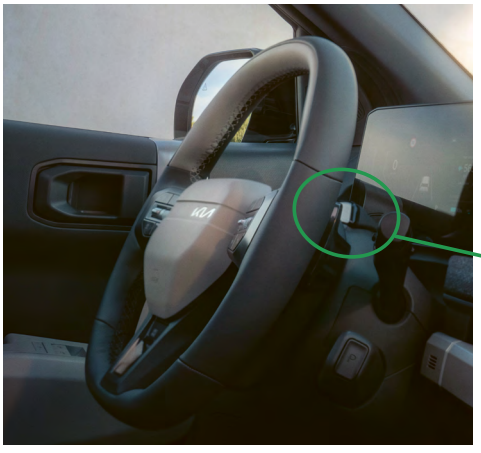
High Beam Assist is a feature designed to control the high/low beams according to driving conditions to optimize visibility.

How does it work?

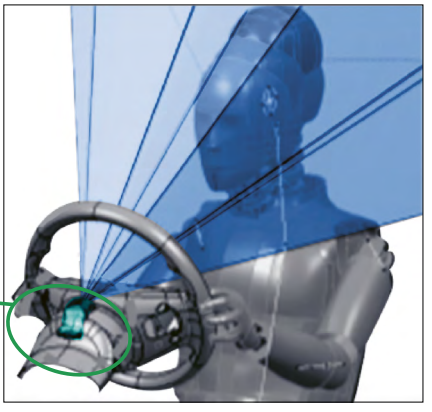
1. Automatic high beam on/off based on detection of surrounding sources of light and preceding vehicles.
2. Operating conditions: It operates when the light switch is set to AUTO and in the upward position, and the vehicle is at a driving speed of 40 km/h or above.

In-Cabin Camera

In-Cabin Camera Driver is a safety system that detects the driver's condition and warns by tracking the driver's gaze, face position, and direction, and eye-opening/closing through the In-Cabin camera mounted on the top of the shroud.



In-Cabin
Camera Sensor

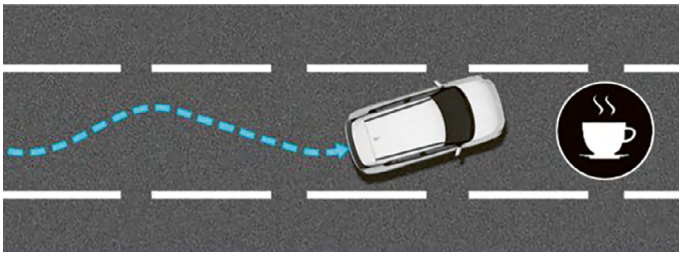


Driver Attention Warning (DAW)

A system that monitors the driver's attention and if needed triggers various alerts.

How does it work?

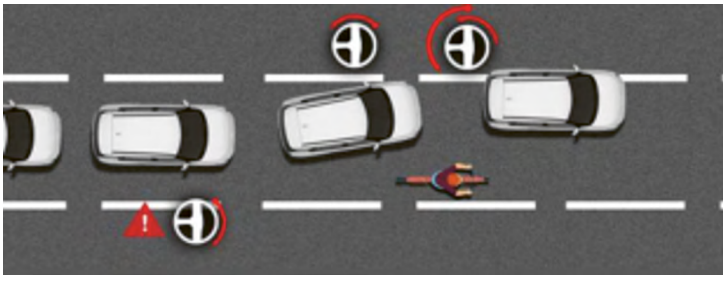
1. Analysis of the driver's attention based on lane departure and issuance of warnings if necessary.
2. Alert for a stationary vehicle when the vehicle in front starts moving - message and audible warning.
3. Alerts on careless driving.



Forward Collision-Avoidance Assist 2 (FCA 2)

Car/Pedestrian/Cyclist

The system helps avoid collisions with a vehicle, a pedestrian or a cyclist in front of the vehicle while driving.



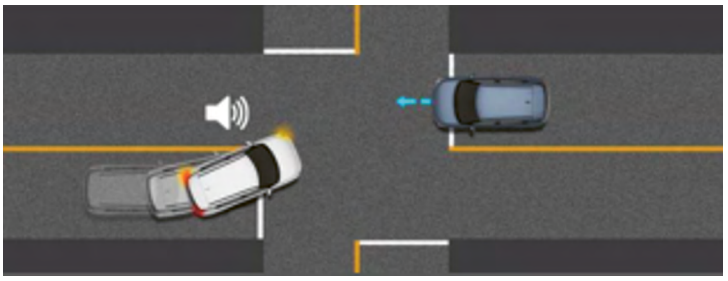
How does it work?

1. Assists the driver in avoiding a collision with a vehicle, pedestrian or cyclist in front while driving by issuing a warning and helping with braking.
2. Operates in the following sequence: warning (step 1) > partial braking (step 2) > full braking (step 3).
3. FCA automatically turns ON when the engine starts, regardless of whether it is OFF in the User Setting Menu (USM).

Forward Collision-Avoidance Assist 2 (FCA 2)

Junction Turning

An extension of FCA 2 which helps avoid collisions with an oncoming vehicle while turning at an intersection.



How does it work?

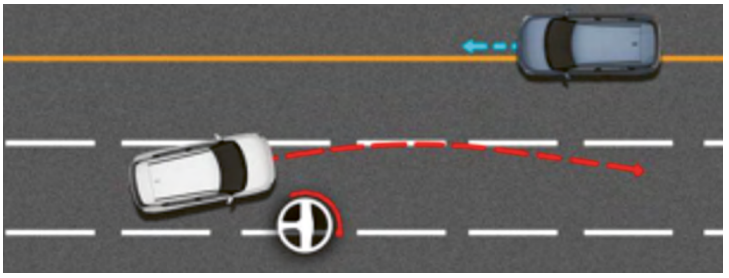
1. Assists the driver in avoiding collisions with oncoming traffic when turning at an intersection.
2. Provides audible and tactile warnings through the cluster and vibration of the steering wheel if there is a risk of collision with a nearby vehicle.
3. This feature is only activated where a left turn is being made by determining the driver's intention based on whether the turn signal has been activated.

Lane Change Oncoming

The system helps avoid collisions with an oncoming vehicle while changing lanes.

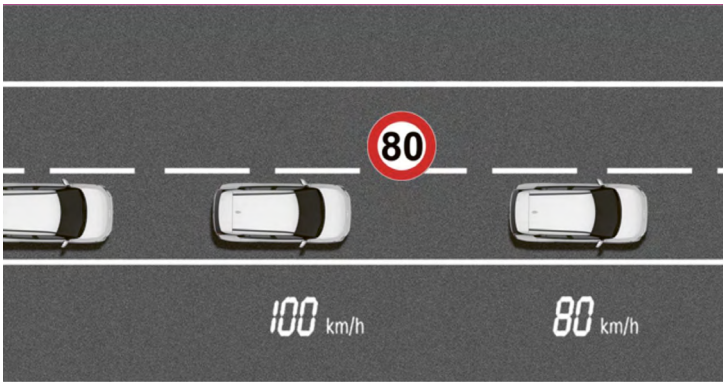
How does it work?

1. If a vehicle is approaching from the opposite direction while changing lanes, the system provides drivers with assistance using warnings and steering assistance to prevent collisions.
2. In situations where evasive steering may lead to a secondary collision with nearby vehicles, pedestrians or cyclists, the evasive steering is not performed.



Intelligent Speed Limit Assist (ISLA)

A feature designed to alert drivers using traffic signs and navigation information to display on the instrument panel and help the driver observe road speed limits.



How does it work?

1. Assists the driver in not exceeding speed limits on roads, to ensure safe driving.
2. Operates when MSLA or SCC/HDA is on and the speed limit on the road is exceeded.

Lane Following Assist 2 (LFA 2) & Lane Keeping Assist (LKA)

Lane Following Assist 2 (LFA 2) is designed to help detect lane markings and/or vehicles on the road, and assists the driver's steering to help keep the vehicle in the lane.

Lane Keeping Assist (LKA) recognizes the lane, including road boundaries, and assists the driver in steering when the vehicle departs from the lane without the turn signal being activated.

Difference between LKA and LFA 2

LKA is a driver safety assist feature designed to prevent lane departure at speeds over 60 km/h, while LFA is a convenience feature designed to help maintain the center of the lane at speeds over 0 km/h.

How does it work?

Lane Keeping Assist will automatically assist the driver's steering when lane departure is detected to help prevent the vehicle from moving out of its lane.

Highway Driving Assist 2 (HDA) with Hands-on Detection (HOD)

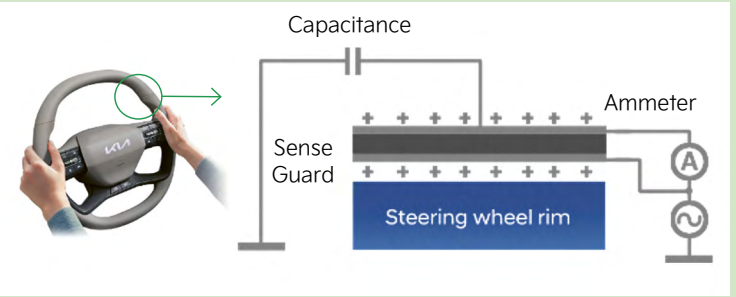
A conditional automation feature designed to allow hands-off driving on highways and automobile-only roads, which maintains a distance from the vehicle in front and stays in the lane.

How does it work?

1. Detects the vehicle in front and the lane on an automobile-only road, keeps a safe distance from the vehicle in front, maintains a set speed, and keeps the vehicle in the center of the lane.
2. The latest models come with a "Highway Lane Change Assist" feature.

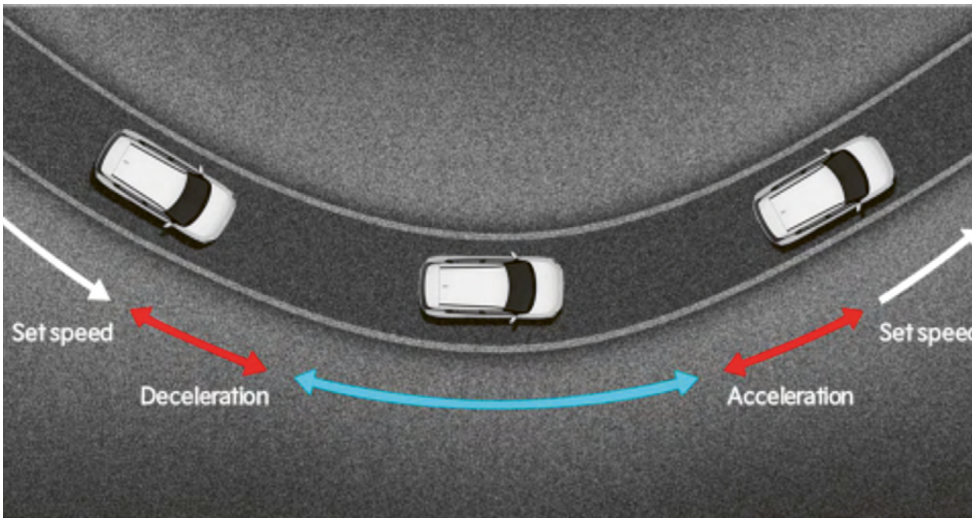
Hands-On Detection Sensor

When the hand comes into contact with the steering wheel surface, the current is measured on the ammeter. It is applied to improve driver's hands-on/off judgment performance.



Navigation-based Smart Cruise Control Zone (NSCC-Z) & Curve (NSCC-C)

It helps drive at a safe speed while driving on the main sections of highways and motorways.
Speed is automatically reduced appropriately before entering a zone or a curve. When leaving the zone or curve, the speed is reset to the original setting.

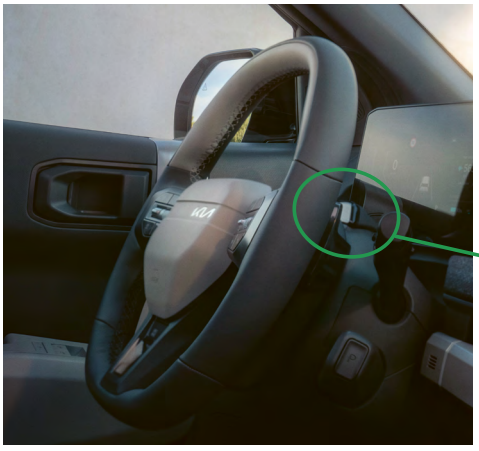


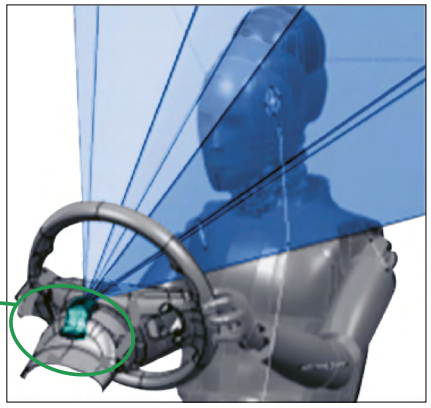
How does it work?

1. NSCC-Z: Automatically decelerates to comply with the speed limit when the vehicle is driving above the speed limit.
2. NSCC-C: Automatically decelerates according to the curvature of the road to ensure safe driving on curved roads and entrance/exit ramps.
3. AUTO-SET: When the speed set in SCC matches the road speed limit, the road speed limit is automatically modified to match the speed set in SCC.

Smart Cruise Control 2 with Emergency Stop

The system helps maintain distance from the vehicle ahead and drive at a speed set by the driver. It provides additional safety with the Emergency Stop function. When SSC 2 determines the driver's non-responsive status, the EV3 maintains the center of the lane and stops within the lane through deceleration control (including inter-vehicle distance control).

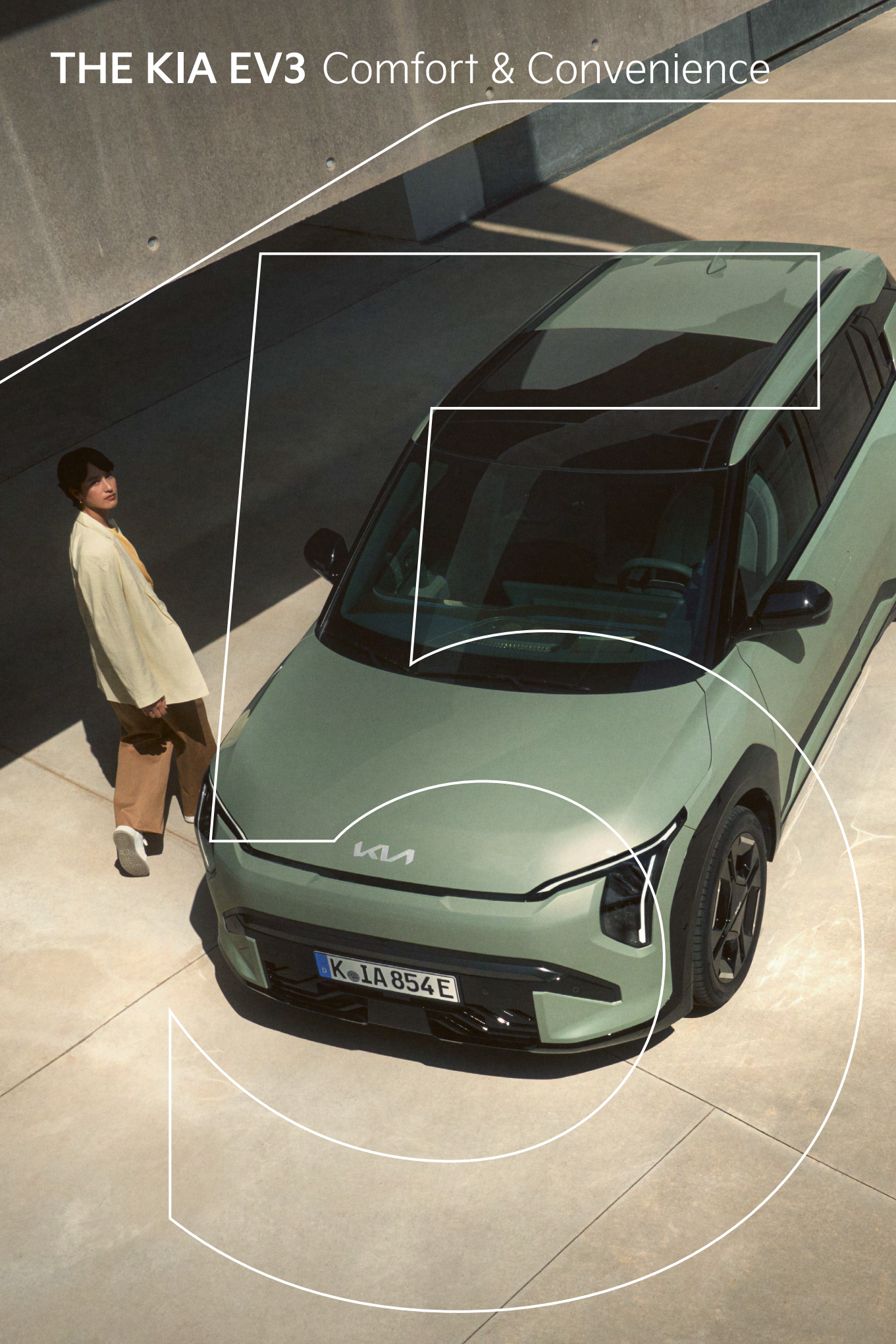




How does it work?

- Inside the vehicle: cluster warning and acoustic alarm.
- Outside the vehicle: hazard lights start flashing.
- Once the car reaches a full stop the doors are unlocked and the electric parking brake is activated.

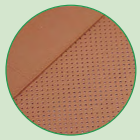
THE KIA EV3 Comfort & Convenience



Sustainable Interior

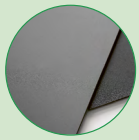
The EV3 features the “10 Must Have Sustainable Items” that are applied into all Kia EV models to persue an ambitious goal: becoming a sustainable mobility solutions provider.

(1) PP + Bio PE



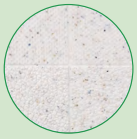
(3) Bio PU (unleather)

(5) Recycled PET Fabric

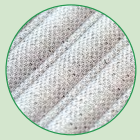


(7) Bio Paint

(9) Recycled PET yarn (Seat)

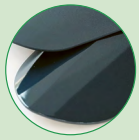


(6) Post Consumer Material for int. garnishes (plastic injection)

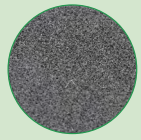


(4) 100% Recycled PET Plastic

(6) Bio PU (Foam) (Front seat H/Rest)



(8) BTX Free Paint



(10) 100% recycled PET felt (luggage compartment)

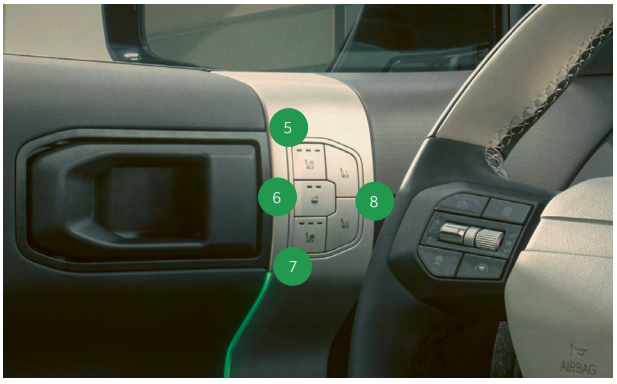
Seat Functionalities

How does it work?

The optional power seats in the front feature electric adjustment of the seat position. The GT-line trim can also optionally offer memory and relaxation functions to the front seats.

(1) Seat position: Back & Forth/Up & Down
(2) Backrest position: Angle of the backrest
(3) Lumbar support
(4) Relaxation seat

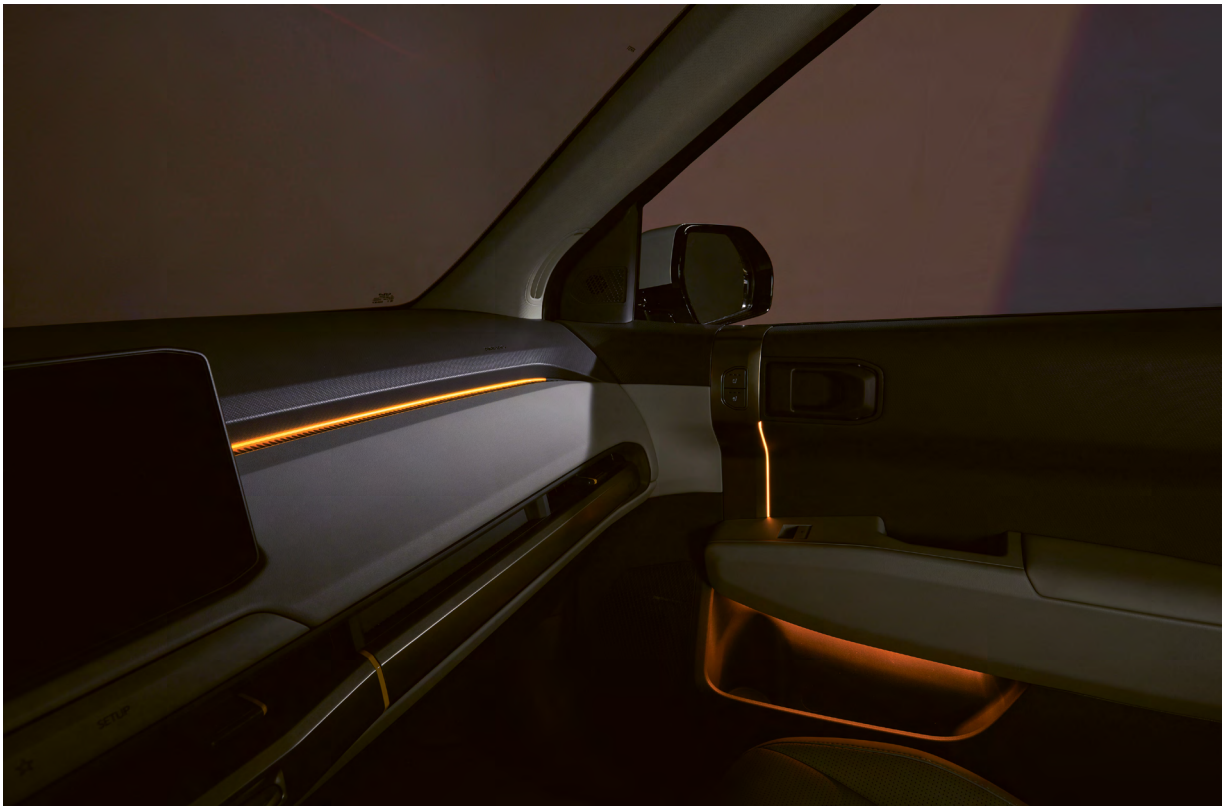
Once the right settings are applied, you can save up to two driver profiles by pressing **Driver 1** or **Driver 2 (8)**



(5) 3-Step seat heating
(6) Heated steering wheel
(7) 3-Step seat ventilation
(8) Memory function buttons

Dual-Color Ambient Lighting

The EV3 features Dual-Color Dynamic Ambient lighting. The colors are fully customizable to fit your current mood, the Drive Mode, and can even function as an additional source of information. Depending on the mode selected, the colors can be individually chosen and matched according to your personal preference, or you can choose from pre-defined color combinations.



How does it work?

1. On the infotainment screen, enter "Vehicle Settings" then go to "Lights" and "Ambient Lighting".
2. Choose between the functions:
   - **Single Color**
   - **Dual Color**
   - **Linked to Drive Mode**

Sliding Tray

The EV3's spacious, minimalist cabin is filled with thoughtful design details to maximize your comfort. The sliding table console can move 120 mm to create more space when needed, such as when having lunch during a charging stop.

Head-Up Display

The Head-Up Display, a 12.3-inch windshield projection, is a useful addition to the wide and colorful full display cluster. It is highly visible, avoids the use of additional glass panels to improve readability, and provides the driver with essential driving information at first glance. This includes current speed, navigation directions, and all warnings related to the ADAS system.

How does it work?

The windshield projection Head-Up Display can be adjusted according to the driver's preferences, both in terms of position (moving it in various directions) and content. The driver can select the amount of data to be shown and customize the style of visualization.

When combined with the Driver's Memory Seat, its position can be added to the profile and retrieved easily - together with plenty of other saved settings - at the simple touch of a button.

Intuitive Usage

The balanced mix of touch displays, physical buttons, and touch buttons support the high-tech qualities of the EV3, while keeping the level of intuitiveness for all users high.

THE KIA EV3 Infotainment & Connectivity

Connected Car Navigation Cockpit

The EV3 takes inspiration from the flagship models of Kia and brings upper segment technology to a much larger audience. The EV3 features Connected Car Navigation Cockpit (ccNC) infotainment, with a panoramic display combining a 12.3" cluster, 12.3" navigation screen, and 5.3" AC settings screen. The ccNC infotainment embeds Nvidia Drive technology supporting the next generation of software-defined vehicles.

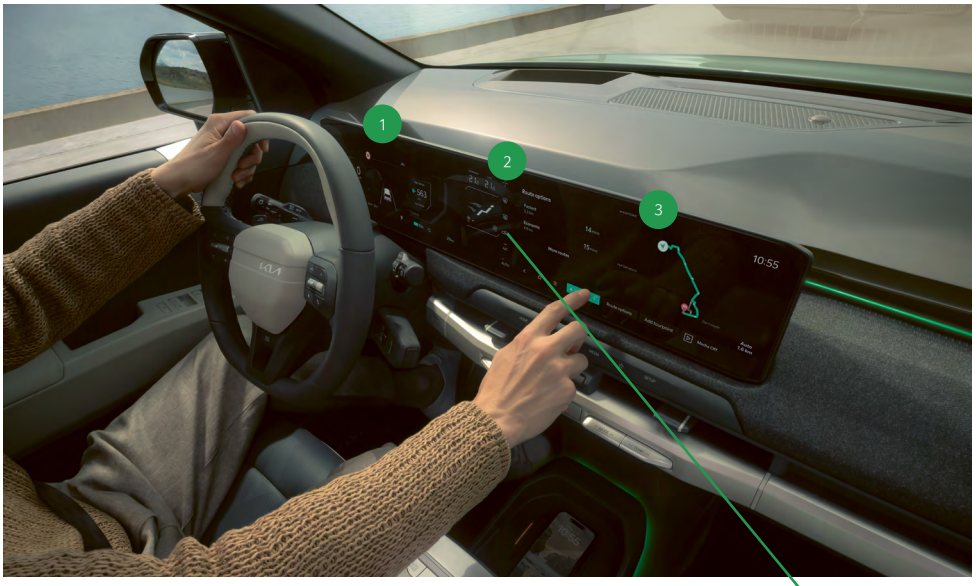
The center 5.3" HVAC screen is located between the cluster and navigation dashboard. It allows the temperature and seat heating settings to be easily changed.

ccNC also provides an optimized response time when operating the screens. This is thanks to the RAM memory upgrade and improved location accuracy due to a new, dual-band GPS.

Connected Car Navigation Cockpit

The cluster graphic design changes according to the different Drive Modes:

- Eco
- Normal
- Sport
- My Drive
- Snow



(1) 12.3" Supervision Cluster

This display provides all necessary and valuable information directly to the driver. It replaces the traditional speedometer and tachometer dials and extends it with a multi-function display, which can be controlled via buttons on the steering wheel. It can display information including turn-by-turn navigation, audio information, phone calls, and contacts, and in-depth trip information.

(2) 5.3" HVAC Touch Display

All HVAC (Heating Ventilation Air Conditioning) functionalities can be accessed via the 5.3" touch display. It provides quick select buttons for the mode selection, front-windshield defroster, rear-windshield defroster, fan speed, and also driver only and sync buttons. By pressing the + symbol in the upper right corner, the display is extended to the infotainment screen for even more detailed settings and access to the rear climate control.

3) 12.3" Navigation and Infotainment Touchscreen

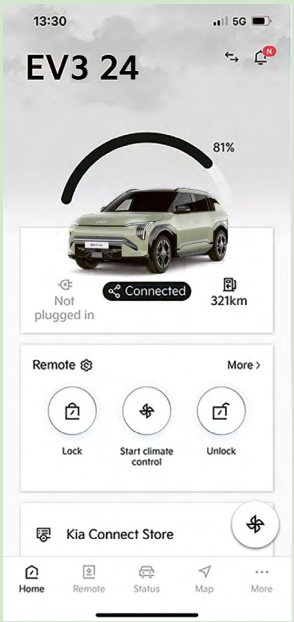
The large center display gives you and your passengers access to all multimedia, navigation, and setting functions of the EV3. Simply use the intuitive touchscreen.

Kia Connect

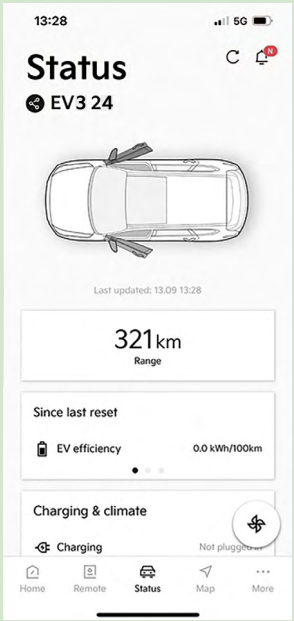
Designed for Android and Apple smartphones, the Kia Connect app offers complete peace of mind with a whole range of features dedicated to providing diagnostic data about the status of your car and the trips you take. The app can also activate a range of remote functions and features when you are away from the car.

From the Kia Connect app, customers can access the Kia Connect Store where Kia Upgrades are available.

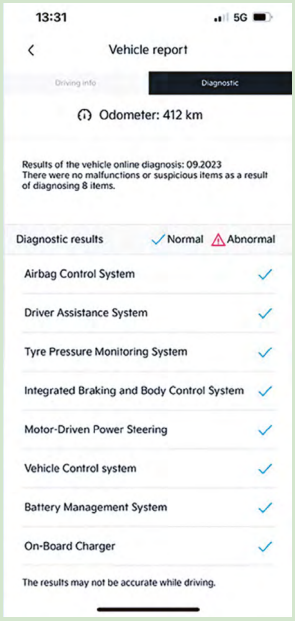
Kia Connect



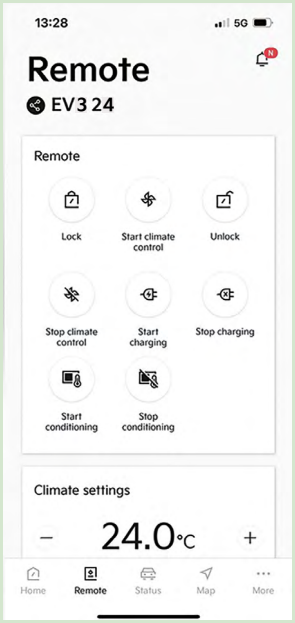
Home Menu
Access all main Kia Connect functions from the menu screen of the app.



Vehicle Status
Offers an overview of key elements of your car's status, such as door lock status, battery, and charging level.



Vehicle Report
Offers an overview of the car diagnostics showing abnormal situations or malfunctions.



Remote Controls
Use the remote controls to lock/unlock your car, to Start-Stop charging and other features.

Last Mile Navigation
Remote service allowing the driver to continue navigation to the final destination on the smartphone after the car has been parked.

Find my car
Tells you the last known location of your vehicle - ideal if you are parked in a large car park.

Rear Occupant Alarm
The driver receives a push notification if sensors located in the rear detect any movement.

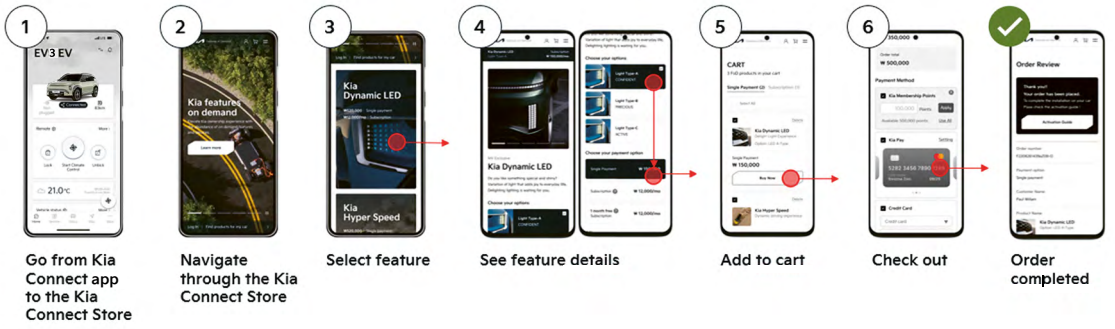
User Profile Transfer
The driver can check and change vehicle settings on the Kia Connect app.

Send to car
Allows you to pre-plan and set your journey through the app for seamless use in the navigation system.

Kia Upgrades

The Kia Connect Store offers freedom of choice: Browse innovative features for personalizing your vehicle even after initial vehicle purchase. Just access the store through the Kia Connect app and choose from a range of features.

How to purchase a feature



How to install the purchased Kia Upgrades feature in the car

1. The installation notification will be displayed when the vehicle starts
2. After stopping the engine, the system will ask you to perform the activation of your new feature
3. Activation in progress
4. A pop-up appears, telling you the customer the feature activation was successful

Benefits

Flexibility
Flexible reconfiguration of vehicle and purchase methods at any time without visiting a dealership (one-time purchase, short-term purchase).

Personalization
Customizable content and features that support personal preference and style.

Future Proof
Innovative technology which will continuously be updated and introduce new features.

Digital Key 2.0

The Kia Digital Key 2.0 uses Ultra Wide Band (UWB) and Bluetooth Low Energy (BLE) in addition to Near Field Communication (NFC) from the previous version. It can be installed on smartphones for touch or remote control and key sharing with family and friends.

Digital Key Share

The Digital Key app lets you share your digital key with multiple people. You can choose the sharing period and features.

Door Lock & Unlock

Without taking your smartphone out of your pocket or opening the Digital Key app, you can lock/unlock the door.

Vehicle Start & Stop

Without taking your smartphone out of your pocket or opening the Digital Key app, you can just start and stop your EV3.

Remote Control

The Digital Key app allows you to lock/unlock doors, start remotely and open/close the trunk (up to 10 meters away).

Harman / Kardon Premium Sound System

The Harman / Kardon Sound System is like having your own immersive in-car cinema or entertainment lounge. The sound system consists of 8 high-performance speakers, offering an additional center speaker and subwoofer compared to the standard sound system. The Harman / Kardon speakers feature an exclusive grill pattern, which is applied for the first time to the EV3.


EV3

Movement that inspires