

# The new BMW iX3. Contents.



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All of the stated model variants, equipment features, technical data, and fuel/electric power consumption and emissions figures relate to the offering in the German market. Dimensions and measurements refer to vehicles with basic configuration in Germany. These may vary depending on the wheel/tyre size and items of optional equipment selected.

The fuel consumption, CO<sub>2</sub> emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany and the range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment.

All values were calculated based on the new WLTP test cycle. WLTP values are taken as the basis for determining vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions as well as eligibility for any applicable vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures can also be found at [www.bmw.de/wltp](http://www.bmw.de/wltp).

Further information on official fuel consumption figures and specific CO<sub>2</sub> emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

# The new BMW iX3.

## A fresh injection of energy for premium electric mobility.



The BMW Group is raising the bar for driving pleasure in vehicles with an all-electric powertrain. As part of the company's electrification offensive, the BMW iX3 (electric power consumption combined: 18.9 – 18.5 kWh/100 km; CO<sub>2</sub> emissions combined: 0 g/km) has been given a detailed model update which will accentuate the sporting aura of the purely electric Sports Activity Vehicle (SAV) with 210kW/400 Nm. The new BMW iX3 now comes as standard with a model-specific M Sport package.

The conceptual and technological connection between the iX3 and the most recently launched ambassadors for premium electric mobility – the BMW iX and BMW i4 – is also expressed in design terms by the updated styling of the front and rear end. These models, too, can be specified as an option with an M Sport package, while the BMW i4 is also available in BMW M form. New controls and additions to standard specification underline the progressive premium characteristics of the new BMW iX3's interior.

### **A pioneer of fifth-generation BMW eDrive technology.**

The BMW iX3 is blazing a trail for driving pleasure in a new generation of electric vehicles from the BMW i brand. It was the first model to feature the fifth-generation BMW eDrive technology now also found in the BMW iX and BMW i4. Its highly integrated drive unit brings the electric motor, power electronics and transmission together within a single housing, and generates a maximum 210 kW. The motor's power is channelled to the road along the traditional route via the rear wheels.

The high-voltage battery in the BMW iX3 is also the product of fifth-generation BMW eDrive technology. Its gross energy content of 80 kWh and the exceptional efficiency of the electric motor enable a range of up to 460 kilometres. Customer surveys and comparison drives by professional independent testers have clearly shown how the BMW iX3 utilises the high energy-storage capability of its lithium-ion battery to achieve an exceptional operating range – in everyday driving and exacting conditions including extremely low ambient temperatures and an extremely sporty driving style – when measured against its segment rivals. Advanced charging technology enables up to 150 kW of power to

be fed into the car at a DC fast-charging station. In this way, it can take on enough energy in the space of 10 minutes to increase its range by 100 kilometres. This gives the BMW iX3 compelling everyday usability.

### **Flexible vehicle architecture, production set to begin in September 2021.**

The new BMW iX3 is a fully fledged Sports Activity Vehicle. Its unrestricted everyday usability and sporty, sure-footed and safe driving characteristics are the result of an outstandingly well resolved overall design. It shares the rugged versatility of the conventionally powered variants of the BMW X3, offers generous levels of space for five occupants, has a load compartment whose capacity can be expanded from 510 litres to a maximum 1,560 litres, and brings the allure of locally emission-free driving pleasure to the globally popular premium midsize Sports Activity Vehicle segment. The flexible vehicle architecture of the BMW X3 makes it the brand's first model to be offered with highly efficient petrol and diesel engines, plug-in hybrid option (not available in South Africa) and a fully electric drive.

Production of the new BMW iX3 will get underway at the BMW Brilliance Automotive joint venture's Shenyang facility in China in September 2021. The all-electric SAV will be manufactured here both for the local market and for export.

### **Holistic sustainability approach, positive environmental impact throughout the vehicle's lifecycle.**

The detailed update for the new BMW iX3 brings fresh energy to the electric mobility arena. As well as leading the way with fifth-generation BMW eDrive technology, the iX3 also displays other parallels with the BMW iX and BMW i4. A particularly important element here is the holistic approach to sustainability that is deeply ingrained in the character of the BMW i brand. The objectives enshrined as part of this approach span the whole of the vehicle lifecycle – from raw materials procurement via the supply chain and production to the usage phase of the brand's vehicles and subsequent recycling – and enhance both environmental and social sustainability.

The amount of the raw material cobalt used in the high-voltage battery of the BMW iX3 has been reduced by around a third compared with the previous-generation battery in the MY2019 BMW i3. The BMW Group has put in place its own procurement process for the cobalt and lithium it supplies to the producers of the battery cells, part of which involves monitoring compliance with environmental and social standards.

Renewable energy alone is used both for the manufacture of the battery cells and in the production of the vehicle as a whole. The BMW-specific design principle underpinning the electric motor dispenses with the need for rare-earth metals in the rotor. The extensive use of secondary raw materials in the manufacture of aluminium castings and thermoplastics help the BMW Group to achieve its goals with regard to cutting CO<sub>2</sub> emissions and promoting the circular economy.

In the development phase of the BMW iX3 it was stipulated that the all-electric SAV had to demonstrate a significantly smaller carbon footprint than a comparable, conventionally powered vehicle across its full lifecycle. The figures recorded by independent testers show that the iX3 outperforms the diesel-powered BMW X3 xDrive 20d by more than 30 per cent when drawing on average European power in the use phase and roughly 60 per cent when exclusively green energy is sourced.

## Exterior design. Sporting efficiency, BMW i-style.



With its powerful proportions, precise lines and clear sculpted surfaces in the BMW brand's new design language, the new BMW iX3 is every inch the modern Sports Activity Vehicle – and it combines versatility with hallmark BMW sporting ability and a robust premium character.

The characteristic blend of sporty driving pleasure and exceptional efficiency is showcased even more vividly in the exterior design of the new BMW iX3. Updates include a modified design for the headlights, BMW kidney grille, side skirts, front and rear aprons. Added to which, a model-specific M Sport package is now also part of standard specification for the all-electric SAV.

### **Striking appearances, with hints of the BMW iX and BMW i4.**

Now more visually striking (in its upper section, in particular), the BMW kidney grille is also larger than before and has a single-piece frame. The inner surfaces of the kidney grille elements have a mesh-like structure and feature a BMW i badge.

The new contours of the headlights, which are around ten millimetres slimmer than previously, also help to give the new BMW iX3 its visually striking looks. This lends the front end a distinct similarity to that of the BMW iX and BMW i4. Indeed, the parallels between the three latest BMW i models in terms of concept and technology are accentuated even more clearly in their design. The new iX3 is also fitted as standard with Adaptive LED Headlights with matrix function including variable light distribution, Adaptive Headlights and cornering light, plus BMW Selective Beam non-dazzling high beam assist. Adaptive LED Headlights with BMW Laserlight can be specified as an option. At speeds above 60 km/h, the dynamic Laserlight module increases high-beam range to a maximum 650 metres and follows the course of the road. Blue inlays in the L-shaped light elements of the daytime driving lights identify the inclusion here of highly sophisticated headlight technology.

### **M Sport package now included as standard.**

Also helping to shape the dynamic aura of the new BMW iX3 are the design features of the M Sport package now fitted as standard. This package brings a prominently three-dimensional and therefore athletic

surface design to the front apron. The lower air intake, which comes with ten-stage active air flap control to cool the drive system components and brakes, has gained in size. The air curtains positioned at the outer edges of the front end are now L-shaped.

The air breathers in the front side panels also have an M-specific design, while the blue accent in the side skirts is omitted. Muscular and aerodynamically optimised surfacing marks out the rear apron of the new BMW iX3. The outer elements of the rear diffuser are in BMW i Blue. The contours of the fully LED rear lights are marked out even more precisely by a black surround. The striking night design is defined by the slim light graphic and now three-dimensional pincer-shaped contouring with delicately integrated, horizontal turn signal indicators.

**Aerodynamically optimised light-alloy wheels increase range.**

20-inch format with M-specific styling in Jet black and aluminium inlays aerodynamic wheels are fitted as standard on the new BMW iX3. Their design helps to give the car its low drag coefficient ( $C_d$ ) of 0.29 and therefore has a positive effect on the all-electric SAV's range.

## Interior and equipment. Driving pleasure and control/operation further enhanced.



The sporting nature of the BMW iX3 stands out more prominently than before on the inside, too. Sport seats are now fitted as standard, while a modern control panel in the centre console and restyled controls in the centre of the instrument panel add to the progressive, premium ambience. The BMW Live Cockpit Professional fitted as standard features a control display with a screen size increased to 12.3 inches (measured diagonally).

Blue accents on the Start/Stop button – now located in the centre console – the gear selector lever and the BMW emblem on the steering wheel allude to the pure-electric drive system at the heart of the BMW iX3. Other model-specific cues include the model lettering on the centre console, door sill plates bearing the BMW i logo, elements in the instrument cluster and control display screens reflecting the presence of the electric drive system, and the standard-fitted ambient lighting, which provides BMW i blue illumination in its default setting.

### **For intense, focused driving pleasure: sport seats and new controls.**

The standard sport seats provide optimal support for the driver and front passenger through high-speed corners. They are trimmed in Vernasca leather upholstery in a choice of Mokka, Oyster or Black with blue contrast stitching. The now standard M Sport package includes both an Anthracite-coloured headliner and interior trim strips in the new Aluminium Rhombicle dark finish. There is also a choice of three optional interior trim strip variants.

The new driver-focused cockpit layout with perfect ergonomic positioning of the controls helps the driver to concentrate on what is happening on the road ahead. The fully digital screen grouping in the BMW iX3 is now formed by a 12.3-inch instrument cluster and an enlarged control display that matches its dimensions. The Start/Stop button for the motor is positioned in a new-look control panel in the centre console, where the model-specific selector lever is joined by the BMW Controller and the buttons for the Driving Experience Control switch and electromechanical parking brake.

**An additional attractive equipment line.**

The BMW iX3 is available with an optional, yet very attractive equipment line. The "Inspiring" base variant fitted as standard equipment, already boasts an array of sophisticated details, such as metallic paintwork, 20-inch aerodynamic wheels, adaptive suspension, automatic tailgate operation, a panoramic glass roof, electrically adjustable seats, a sport leather steering wheel, a storage package and a bespoke three-zone automatic climate control system with pre-heating and pre-conditioning function. The Live Cockpit Professional, which is also standard, includes the BMW Intelligent Personal Assistant, telephony with wireless charging, as well as the ability to upgrade remote software and the digital services of BMW Connected Charging. In conjunction with the Connected Package Professional, the cloud-based navigation system BMW Maps and smartphone integration for using Apple CarPlay and Android Auto are also included.

The "Impressive" optional equipment package adds acoustic glazing for the front door windows, BMW gesture control, a BMW Head-Up Display, the Harman Kardon Surround Sound System, and more. BMW iX3 models in "Impressive" trim also feature the BMW IconicSounds Electric function. Specially created for electrified BMW models, this simulated drive sound enhances the driving experience by weaving in an extra layer of emotion. The soundtrack produced by the car varies in tone to reflect the selected driving mode.

The new BMW iX3 comes as standard with a Start/Stop acoustic sequence developed as part of a collaboration between composer and curator Hans Zimmer and Creative Director Sound at the BMW Group Renzo Vitale. When the Start/Stop button is pressed, a short composition sets the scene for the electric driving experience in store.

# Powertrain.

## A trailblazer for fifth-generation BMW eDrive technology.



The drive system in the new BMW iX3 delivers signature BMW performance characteristics in consummate silence. The result is a compelling form of driving pleasure, combined with zero tailpipe emissions. The all-electric SAV is the first model to be equipped with the latest, fifth-generation BMW eDrive technology. This comprises an electric motor developed in-house by the BMW Group, the power electronics, highly advanced charging technology and a model-specific high-voltage battery.

The BMW iX3 is therefore blazing a trail for the latest development stage in electric drive systems at the BMW Group. The fifth generation of BMW eDrive technology is highly scalable, meaning it can be used in a variety of vehicle concepts; after starting out in the BMW iX and BMW i4, it will soon be extended to electrified vehicles from other models series as well.

### **Highly integrated drive system, electrically excited electric motor.**

The BMW iX3 is fitted with a drive unit that brings together the electric motor, power electronics and transmission within a single housing for the first time. This highly integrated electric drive system topology located in the model-specific rear axle subframe allows a substantial reduction in both the installation space required and the weight of the components relative to the power they produce. This has brought about an increase in power density of around 30 per cent compared with the BMW eDrive technology previously featured in electrified models.

The electric motor in the new BMW iX3 works according to the principle of an electrically excited synchronous motor and therefore differs significantly from other solutions on the market. The excitation of the rotor is not induced by fixed permanent magnets, but the feed-in of electric power. This design allows the rare earth metals required for magnetic components to be entirely avoided in the manufacture of the rotor. The latest version of the electric motor also displays exceptional efficiency of up to 93 per cent, as compared to values of under 40 per cent for modern combustion engines.

The drive system can rev to 17,000 rpm, generating maximum output of 210 kW early on and keeping it on tap over a wide band. The motor

produces extraordinarily high peak torque for a unit of its size, all 400 Nm of which can be summoned from rest – thanks to judiciously managed excitation of the rotor – and is likewise maintained into the upper reaches of the rev range. The motor's drive power is transferred along the shortest possible path to the single-ratio transmission, which is installed in the same housing, and from there to the rear wheels. In the process, advanced driving stability control technology (including near-actuator wheel slip limitation) helps to sustain relentless forward momentum even in adverse road and weather conditions. The new BMW iX3 accelerates from 0 to 100 km/h in 6.8 seconds. Top speed is electronically limited to 180 km/h.

### **High-voltage battery with high capacity.**

The high-voltage battery in the new BMW iX3 is based on the latest nickel-rich technology familiar from other BMW applications. The lithium-ion battery is composed of 188 individually controllable, prismatic battery cells – each cased in aluminium – which are grouped into 10 modules. The battery is positioned low down in the vehicle floor as an integral component of the body. The new-generation battery has a gross energy content of 80 kWh, of which 74 kWh is utilised, giving it a advanced mass-to-capacity ratio.

The high-voltage battery's excellent energy density, the electric motor's outstanding efficiency, the adaptive recuperation function while on the move, a weight-minimising design and the reduction in the body's aerodynamic drag add up to an all-encompassing sustainability concept and impressive capabilities in everyday use and over long-distance journeys (the WLTP-calculated range is up to 460 kilometres). The BMW iX3 therefore differs significantly from other electric vehicles in its segment whose range is boosted mostly using ever larger high-voltage batteries. These impact negatively on the vehicle's weight and, by extension, its overall efficiency.

# BMW Charging.

## Innovative solutions for charging at home and during a journey.



The BMW Charging portfolio presents drivers of the new BMW iX3 with a selection of bespoke charging products, charging services and digital services. In South Africa, the all-electric SAV comes complete with a BMW Charging Card, a mode 2 charging cable for public charging stations and the Flexible Fast Charger.

The Flexible Fast Charger allows electricity to be topped up at a rate of up to 11 kW and can be hooked up to a domestic socket or – using an adapter (also available) – a high-power industrial socket via a six-metre charging cable. A BMW Wallbox with a maximum charging rate of 11 kW is available as an option for home charging. The various products offered in collaboration with expert partners include a Smart Wallbox with full connectivity (that allows, for example, itemised billing of the electricity used to charge a company car at home), an installation service and special green electricity tariffs.

### **Combined Charging Unit for fast charging at up to 150 kW.**

The Combined Charging Unit (CCU) in the new BMW iX3 enables an extremely high level of flexibility when it comes to using charging stations of different types. It therefore makes refuelling the car with electric power a quick and easy process across all international car markets. When using alternating current (AC) terminals, the CCU enables single-phase charging at up to 7.4 kW and three-phase charging at up to 11 kW. Plugging the vehicle into a direct current (DC) fast-charging station allows it to take energy on board at a rate of up to 150 kW.

With the car plugged into a Wallbox, the high-voltage battery in the new BMW iX3 can be charged from 0 to 100 per cent in 7.5 hours. A DC fast-charging station, meanwhile, can replenish the battery from 10 to 80 per cent of its full capacity in 32 minutes. A 10-minute charge at one of these stations provides enough power to add 100 kilometres to the driving range in the WLTP cycle.

### **Low-cost tariffs for using high-power charging stations.**

The BMW Charging offering provides access to more than 200,000 public charging points in Europe – run by over 500 charging infrastructure operators – with a single registration.

### **Connected charging with new features in the My BMW app.**

In the new charging area of the My BMW app, all information on the charging history, charging process, scan & charge, and the control of charging and climate settings is clearly presented. It is also possible to receive push notifications, e.g. when the vehicle is fully charged. Both in the app and in the vehicle, the visualisation in the form of a blue circle on the map always provides a good overview of the current range. With Connected Charging, BMW Maps offers the option of planning long-distance journeys with the BMW iX3 comfortably and precisely. During the route planning in the vehicle, intermediate stops to recharge the battery are automatically added, provided the selected destination is outside the current electric range. On the way, public charging stations along the route travelled or near the destination are displayed in BMW Maps. The availability of the charging stations can also be recognised directly in the list by means of a coloured indicator. There are also other details such as the charging capacity offered.

# Connectivity and Driver Assistance Systems.

## Maximised functionality for superior comfort and safety.



### **New news app in the vehicle.**

With the recently revised news app, BMW iX3 customers benefit from an improved range of news-on-demand and infotainment podcasts. With the introduction of personalised messages, customers can choose categories to receive messages only on topics that interest them. By additionally "liking" the individual posts, the intelligent app gets to know the preferences of the customers better and better and can tailor the news feed more precisely. Personalised news and top news are provided in high audio quality for a more comfortable and pleasant listening experience. Instead of a text-to-speech computer, the content is spoken by speakers. Customers can filter the content by country and language. By integrating additional and large news providers, the News App offers a considerably larger variety of news reports.

### **Fast, precise, informative: the new BMW Maps.**

The cloud-based navigation system BMW Maps enables a significant improvement in performance, a high level of accuracy and simplified destination entry. The new generation of the navigation system offers extremely fast and dynamic route calculation based on precise real-time traffic data delivered at short intervals. The arrival time is calculated in advance by considering the normal traffic volume along the entire route. A destination can be selected using free text entry as well as classic address entry. Alternatively, the destination can be entered comfortably by voice. So-called points of interest (POI) along the route are described in detail, including reviews, opening times or photos.

### **Smartphone connection and integration of third-party services.**

Like the BMW Live Cockpit Professional, the BMW Live Cockpit Plus includes optimised smartphone integration, for example via Apple CarPlay. This enables a wide range of digital services such as the Siri digital voice service, various map apps, music streaming services such as Apple Music or the WhatsApp messaging service to be used. The systems are integrated directly into the display and control system through a wireless connection via WLAN between the respective smartphone and the vehicle. The driver can see all the important

information from the apps provided on the control display, in intelligently prepared form in the instrument cluster, and on the optional head-up display.

With Android Auto™, the BMW Group has expanded its range of seamless networking in the vehicle to include another customer-relevant service. Android Auto offers simple and safe use of smartphone functions such as music, media or messaging apps while driving. With the help of the Google Assistant, the customer can interact with their smartphone and the actions taken are shown on the vehicle's info display. The highlights of the interaction between Android Auto and BMW are the convenient, wireless networking and the intelligent integration of Google Maps™ navigation instructions in the BMW head-up display.

Thanks to the deep integration of Amazon Alexa, it is possible to use Amazon's voice service in the vehicle as the customer is used to at home. Editing shopping lists, calling up messages or playing music is now even easier. It is also possible to control compatible smart home devices from the vehicle. With the help of the My BMW app, Amazon Alexa can be installed in the vehicle in just a few steps.

#### **BMW digital key.**

The optional BMW Digital Key enables the BMW iX3 to be unlocked and locked using Near Field Communication (NFC) with the Apple iPhone. The conventional car key is thus superfluous. The smartphone simply has to be held up to the door handle to open the vehicle. In the vehicle itself, the engine can be started as soon as the smartphone is in the wireless charging tray. The digital key can be set up via the My BMW app. The vehicle owner can also share the access rights with up to five other users, including a configuration option for novice drivers that limits, among other things, the maximum speed and engine power, as well as the maximum volume of the radio.

#### **BMW Intelligent Personal Assistant with extended functions.**

The latest generation of the BMW Intelligent Personal Assistant in the new BMW iX3 ensures a particularly close bond between driver and vehicle. The digital companion, which is activated by voice control (for example "Hey BMW") or by pressing a button, is constantly gaining additional skills. With naturally spoken instructions, you can now regulate the air conditioning, among other things.

The use of the BMW Intelligent Personal Assistant is accompanied by new graphic symbols on the control display, which underline the interactive character of the system. The graphic shown now "leans" towards the active speaker and thus visualises the "attention" of the system during speech input. The system recognises whether it is being addressed by the driver or front passenger and reacts accordingly, for example by changing the climate control on only one side.

### **Driver Assistance Systems**

The progressive character of the new BMW iX3 shines through once again in the exceptionally wide range of functions offered by its driver assistance systems. When it was launched in November 2020, the all-electric SAV already boasted an array of automated driving and parking functions that have only been introduced in the conventionally powered BMW X3 model variants as part of the latest model update. This further reinforces the pioneering high-tech credentials of the BMW iX3. What is more, it comes with virtually all the assistance systems included as standard.

The driver assistance systems process camera images as well as the data gathered by ultrasonic and radar sensors to monitor the vehicle's surroundings, warn of potential hazards and minimise the risk of an accident with corrective braking or steering inputs. Existing functions are improved by means of remote software upgrades, or extensions. In addition, the customer has the option of subsequently booking and installing selected functions via Functions on Demand.

### **Standard: Driving Assistant Professional.**

Besides the front collision warning system and Speed Limit Info including no-overtaking indicator, standard equipment for the new BMW iX3 also features Driving Assistant Professional. This comprehensive comfort and safety package includes the Steering and Lane Control Assistant complete with Active Navigation function, which helps the driver to keep to the route calculated by the navigation system when travelling on multi-lane roads.

Automatic Speed Limit Assist and route monitoring are further highlight features. They enable Active Cruise Control with Stop&Go function to factor in both speed limits and the nature of the current route when regulating the speed. On models with the BMW Head-Up Display – part

of the "Impressive" equipment line – Active Cruise Control is also able to take traffic signals into account (in Germany) and automatically brake the BMW iX3 to a halt when the lights are red.

Further components of Driving Assistant Professional include Lane Change Warning and Lane Departure Warning, Lane Keeping Assistant with active side collision protection, Emergency Lane Assistant (can be used in selected European countries), Emergency Stop Assistant and the Evasion Assistant, which also reacts to pedestrians. The system also comprises Crossroads Warning, Wrong-way Warning, Rear Collision Prevention, as well as front and rear crossing traffic warning.

**Parking Assistant: assistance with manoeuvring included as standard.**

BMW iX3 drivers also benefit from effective assistance when parking and manoeuvring. The standard Parking Assistant includes Active Park Distance Control (Active PDC) with sensors at the front and rear, Lateral Parking Aid, Reversing Assist Camera and the Reversing Assistant. The system also helps the driver to select and use parking spaces either parallel or perpendicular to the road, taking over control of the accelerator, brakes and steering during the parking manoeuvre. The Parking Assistant can also provide automated assistance when exiting parallel parking spaces.

The Parking Assistant Plus system featured on "Impressive" models upgrades the specification by adding Surround View including Top View, Panorama View and 3D View. Meanwhile, the Remote 3D View function gives drivers the ability to call up a three-dimensional live image of their vehicle and its immediate vicinity on their smartphone.

The list of optional extras also features the BMW Drive Recorder, which uses the cameras of the various driver assistance systems to record video footage from different points around the vehicle, before saving the recordings so that they can be either watched later on the control display when the car is stationary or exported via the USB port.