

The New Audi Q8 e-tron: Improved Efficiency and Range, Refined Design

- More battery capacity and higher charging performance
- Fresh exterior, new brand design, and dynamic driving characteristics
- Net-carbon-neutral production and the first-time use of recycled materials in a safety-related component

Ingolstadt, November 9, 2022 – With the Audi e-tron, the premium manufacturer entered the age of electromobility in 2018, marking the start of the electric future for the four rings. Since then, the model has been setting standards in the electric luxury-class SUV segment. The new Audi Q8 e-tron* is now building on the success story of this electric pioneer. The top-of-the-line electric SUV and crossover impress with their optimized drive concept, improved aerodynamics, higher charging performance, and battery capacity and increased range of up to 582 kilometers in the SUV version (in accordance with the WLTP) and up to 600 kilometers in the Sportback version (in accordance with the WLTP). Significant changes, especially at the front of the vehicle, lend the new flagship SUV a fresher appearance.

Since the introduction of the Audi e-tron around four years ago and sales of 150,000 units, Audi has been following a systematic electric roadmap. Its electric portfolio now comprises eight models. By 2026, it will have more than 20. At that point, Audi will only be releasing fully electric models on the global market. “With our corporate strategy ‘Vorsprung 2030’, we’ve set a fixed date for our withdrawal from combustion engines and clearly decided that Audi will be a fully electric brand within 11 years,” said Markus Duesmann, Chairman of the Board of Management of AUDI AG. “The new Audi Q8 e-tron*, with its improved efficiency and range and refined design, is another important component in our electric portfolio to get people excited about electromobility with emotional models that are suitable for everyday use.” Audi Board Member for Technical Development Oliver Hoffmann also focused on the customer benefits enhanced by these refinements. “In the new Q8 e-tron*, we were able to significantly increase both battery capacity and charging performance. This allowed us to achieve an optimal balance between energy density and charging capacity, as well as to increase efficiency,” Hoffmann said. “On top of that, we improved the motors, progressive steering, and chassis control systems – and thus the dynamic driving characteristics that are typical of Audi in all versions of the Q8 e-tron*.”

The equipment, data and prices specified in this document refer to the model range offered in Germany. Subject to change without notice; errors and omissions excepted.

**The collective fuel/electric power consumption and emissions values of all models named and available on the German market can be found in the list provided at the end of this text.*

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New face, new name, new corporate identity

By calling this model the Q8, Audi is making a clear statement that the Audi Q8 e-tron* is the top model among its electric SUVs and crossovers. The Audi Q8 e-tron* and Q8 Sportback e-tron* are immediately identifiable as fully electric models at first glance. This is thanks to the new front and rear designs with the characteristic Singleframe mask, the inverted grille, and blade above the redesigned rear diffuser, which systematically carry Audi's electric design language forward. An exclusive highlight on the edition S line package is the Singleframe grille, which is finished in body color.

As a prestigious electric SUV model from Audi, the Q8 e-tron* ushers in the new corporate identity with a two-dimensional design of the four rings on the exterior. In order to elevate the family logo as a central element, Audi highlights the vehicle's face with the projection light Singleframe. Additionally, the Q8 e-tron is the first model to feature the new model badge with Audi lettering on the B-pillar.

Maximum amount of space and comfort

With a vehicle length of 4.915 meters, a width of 1.937 meters, and a height of 1.619 meters for the Sportback and 1.633 meters for the SUV, the Q8 e-tron* offers a maximum amount of space and comfort. The SQ8 e-tron* and SQ8 Sportback e-tron* are each two millimeters lower and 39 millimeters wider. Its wheelbase of 2.928 meters allows for a lot of legroom in the back seats too. It has a generous storage volume of 569 liters for the SUV and 528 liters for the Sportback. There are also 62 liters available in the front storage area, the so called "frunk".

Three drivetrain variants

For both body shapes, three drivetrain variants with electric all-wheel drive can be selected. With their two motors, the base models of the Audi Q8 50 e-tron** (Combined electric power consumption in kWh/100 km (62.1 mi): 24.0–20.1 (WLTP); CO₂ emissions combined in g/km: 0) and the Audi Q8 50 Sportback e-tron** (Combined electric power consumption in kWh/100 km (62.1 mi): 23.7–19.5 (WLTP); CO₂ emissions combined in g/km: 0) generate 250 kW in boost mode and 664 Nm of torque, and they get a range of up to 491 km (SUV) and up to 505 km (Sportback), in accordance with the WLTP.

With their two motors, the Audi Q8 55 e-tron** (Combined electric power consumption in kWh/100 km (62.1 mi): 24.4–20.6 (WLTP); CO₂ emissions combined in g/km: 0) and Audi Q8 55 Sportback e-tron** (Combined electric power consumption in kWh/100 km (62.1 mi): 24.1–19.9 (WLTP); CO₂ emissions combined in g/km: 0) generate 300 kW in boost mode and 664 Nm of torque. Their ranges are up to 582 km for the SUV and up to 600 km for the Sportback, in accordance with the WLTP. Their top speed, and that of the Q8 50 e-tron** (Combined electric power consumption in kWh/100 km (62.1 mi): 24.0–20.1 (WLTP); CO₂ emissions combined in g/km: 0), is limited to 200 km/h.

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The top-end Audi SQ8 e-tron** (Combined electric power consumption in kWh/100 km (62.1 mi): 29.0–26.2 (WLTP); CO₂ emissions combined in g/km: 0) and Audi SQ8 Sportback e-tron** (Combined electric power consumption in kWh/100 km (62.1 mi): 28.2–25.3 (WLTP); CO₂ emissions combined in g/km: 0) are powered by three motors. Their boost performance amounts to 370 kW and 973 Nm of torque.

The range of the S models is up to 458 km for the SUV and up to 471 km for the Sportback. Their top speed is limited to 210 km/h.

More battery capacity and higher charging performance

Two battery sizes can be selected. The battery of the Q8 50 e-tron* has a storage capacity of 89 net kilowatt-hours (95 gross kWh), while the more powerful versions of the Q8 55 e-tron* and SQ8 e-tron* have 106 net kWh (114 gross kWh). Thanks to an adjustment to the battery management system, the battery capacity usable for customers has increased as well. At a high-powered charging station, the Audi Q8 50 e-tron* reaches a maximum charging performance of 150 kW. With the Q8 55 e-tron* and SQ8 e-tron*, the maximum charging performance increases to up to 170 kW. The big battery can be charged from ten to 80 percent during a roughly 31-minute charging stop – under ideal conditions, this corresponds to a range of up to 420 kilometers (according to WLTP). At an AC charging station or wallbox, the Audi Q8 e-tron* charges at up to 11 kW. Audi offers an optional AC charging performance of up to 22 kW.

Under ideal conditions, the Audi Q8 50 e-tron* can completely charge in around nine hours and 15 minutes (22kW: around four hours and 45 minutes) using alternating current. The big battery's numbers are around 11 hours and 30 minutes at 11 kW and six hours at 22 kW. The Audi Q8 e-tron* comes standard with the Plug & Charge function. At compatible charging stations, the vehicle authorizes itself when inserting the charging cable and activates the charging point. Billing happens automatically. The new charging service Audi charging, which is set to launch in 2023 and will replace the existing [e-tron Charging Service](#), will allow for convenient access to around 400,000 public charging points across Europe. The e-tron [route planner](#) provides reliable support when searching for charging points along your route.

Revised rear-axle motor and electric torque vectoring for better dynamics

For the new Audi Q8 e-tron*, the asynchronous motor concept on the rear axle was modified. Instead of 12 coils generating the electromagnetic field, there are now 14. The motor consequently generates a stronger magnetic field with similar electricity input, which in turn allows for more torque. If this isn't needed, the electric motor requires less energy to generate torque. This lowers consumption and increases range. With the e-tron range's S model, Audi used a three-motor concept for the first time in large-scale production. This will be continued for the new SQ8 e-tron** (Combined electric power consumption in kWh/100 km (62.1 mi): 29.0–25.3 (WLTP); CO₂ emissions combined in g/km: 0).

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A 124-kW electric motor is at work on the front axle. On the rear axle, there are two electric motors each with 98 kW of output that each separately power a rear wheel. This allows for a boost performance of up to 370 kW. The drive torque can be distributed across both rear electric motors between both wheels within a split second.

Balancing act between comfort and sportiness

The new Audi Q8 e-tron* comes standard with an air-spring suspension with controlled shock absorption. The height of the car body can be varied by a total of 76 millimeters, depending on the driving situation. To optimize the lateral dynamics of the vehicle, its air-spring tuning was adjusted. Moreover, its electronic stability control (ESC) will allow for even more maneuverability in the future – especially in tight corners. The Audi Q8 e-tron* handles these with noticeably more agility thanks to its revised progressive steering. The gear ratio of the steering system was changed so that the steering responds much more quickly, even when making delicate steering movements. The effect of the direct steering ratio is supported by more rigid suspension bearings on the front axle. Steering movements are thus transmitted to the wheels more directly, and feedback from steering reactions is improved as well. All the chassis control systems were adjusted, but they remain balanced and perfectly attuned – true to the [Audi DNA](#).

Further improved aerodynamics

With the Audi Q8 e-tron*, the topic of aerodynamics was a top priority. This resulted in a reduction of the drag coefficient from 0.26 to 0.24 c_w for the Q8 Sportback e-tron* and from 0.28 to 0.27 c_w for the Q8 e-tron*. The wheel spoilers mounted on the underbody help divert airflow around the wheels. The spoilers on the front axle were enlarged, and the Audi Q8 Sportback e-tron* now has spoilers on the rear wheels as well. With the SQ8 Sportback e-tron*, spoilers are only mounted on the rear axle. In the area around the grille, this is the first time an Audi model has had a self-sealing system in addition to the electric shutters that automatically close the radiator. This system further optimizes the airflow at the front of the car and prevents undesired losses.

Convenient parking with remote park assist plus

There are around 40 driver assistance systems available in the Audi Q8 e-tron*. Up to five radar sensors, five cameras and 12 ultrasonic sensors provide environmental information that's then analyzed by the central driver assistance control unit. Something new is remote park assist plus, which will be available to order starting in 2023. With its help, the Audi Q8 e-tron* can maneuver into even the tightest parking spaces. Customers can control the parking procedure through the myAudi app on their smartphones. When the car reaches its final position in the parking space, it automatically switches off, puts on the parking brake, and locks the doors.

To leave the parking space, the motor is powered on through the myAudi app, then the vehicle maneuvers out enough for comfortable entry.

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Digital Matrix LED headlights

The Q8 e-tron* optionally comes with [digital Matrix LED headlights](#). While driving on the highway, the orientation light marks the car's position in the lane and helps the driver remain securely in the center in narrow spaces. Three other new features are available as well: enhanced traffic information, the lane light with a direction indicator and the orientation light on country roads.

Luxury-class interior

The glass panorama roof makes the interior appear lighter and reinforces the sense of airiness and expansiveness. The glass elements open and close electronically. The blackout sunshades are controlled just as conveniently. When it's open, the two-part glass roof improves the climate in the interior thanks to efficient ventilation. An integrated wind deflector reduces wind noise as well. As an alternative to the standard two-zone automatic climate control, Audi is also offering four-zone automatic climate control and an [air quality package](#). The three-stage ventilation provides for comfortable seating, even at high outdoor temperatures. This is available for the standard seats, whose leather is intricately perforated. The highly adjustable individual contour seats are the highlight among the interior options. In addition to pneumatic seat and backrest adjustments, they can also be ordered with a massage function. All furnishings come with optional decorative inlays of porous wood veneers such as grainy ash and sycamore, aluminum or, for the S line and edition S line versions, a carbon fiber structure. New additions include light brown walnut wood and a sustainable technical material made partially from recycled PET bottles.

High-resolution touch displays and voice control

Like all luxury-class Audi models, the Q8 e-tron* uses the [MMI touch response](#) operating system. Its two large high-resolution displays – the top one with a 10.1-inch diagonal and the bottom one with an 8.6-inch diagonal – replace nearly all conventional switches and knobs. Beyond operation with the two touch displays, a lot of features can be activated through [natural voice control](#). The digital display and operating concept in the Audi Q8 e-tron* is rounded out by the standard [Audi virtual cockpit](#) with full HD resolution. Specific graphics depict all the important aspects of electric driving, from charging performance to range. On request, a heads-up display can be added. On the German market, the Audi Q8 e-tron* will come standard with MMI Navigation plus. Its media center supports the high-speed data transmission standard LTE Advanced, and it has an integrated [WiFi hotspot](#) for the passengers' mobile devices. The navigation system intelligently recommends destinations based on previously traveled routes. On top of that, the Audi connect Navigation and Infotainment package includes [car-to-X services](#).

Materials from recycling processes

The Audi Q8 e-tron* will be certified as net-carbon-neutral¹ for customers in Europe and the USA. Audi also uses recycled materials for some components in the Audi Q8 e-tron*. These materials, treated through a recycling process, reduce the amount of resources used and ensure a closed, efficient and sustainable material loop.

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In the interior of the Audi Q8 e-tron*, Audi uses recycled materials for insulation and damping, as well as for carpeting. The decorative inlay above the display, called the Tech Layer, is available with a new anthracite-colored technical material that's partially composed of recycled PET bottles. With the S line equipment package, the sport seats are upholstered in synthetic leather and the microfiber material Dinamica. Dinamica is made from up to 45 percent polyester fibers that are manufactured from recycled PET bottles, used textiles and fiber residue. In contrast to previous microfiber quality, the production of Dinamica is also solvent-free – another contribution to environmental protection.

Furthermore, some safety-related components that partially comprise mixed automotive plastic waste treated through a chemical recycling process are used for the first time – specifically, the plastic covers for the seatbelt buckles. As part of the PlasticLoop project, Audi worked with the plastics manufacturer LyondellBasell to establish a process in which chemical recycling will be used for the first time to reuse mixed automotive plastic waste in the series production of the Audi Q8 e-tron*. In this [process](#), jointly implemented with LyondellBasell, plastic components from customer vehicles that can no longer be repaired are dismantled and separated from foreign materials such as metal clips before being shredded and processed into pyrolysis oil through chemical recycling. This pyrolysis oil is then used as a raw material in the production of new plastics in a mass-balance approach².

Market launch in spring 2023

The market launch of the new Audi Q8 e-tron* and Audi Q8 Sportback e-tron*, which will be available to order starting in mid-November, is planned to happen at the end of February 2023 in Germany and the most important European markets. In the USA, the model is expected to come to the market at the end of April. The market launch of the new SQ8 e-tron*/SQ8 Sportback e-tron* is planned to happen at the end of May 2023 in Europe. The base price for the Audi Q8 e-tron* in Germany will be 74,400 euros.

¹ Audi understands net-zero carbon emissions to mean a situation in which, after other possible reduction measures have been exhausted, the company offsets the carbon emitted by Audi's products or activities and/or the carbon emissions that currently cannot be avoided in the supply chain, manufacturing, and recycling of Audi vehicles through voluntary offsetting projects carried out worldwide. In this context, carbon emissions generated during a vehicle's utilization stage, i.e. from the moment it is delivered to the customer, are not taken into account.

² The plastic granulate for the seatbelt buckle covers (including fillers and additives) consists of at least 70 percent of the pyrolysis oil produced through the project. This pyrolysis oil was supplied as part of the plastic granulate's manufacturing process. The assignment of the waste-based pyrolysis oil is carried out within the framework of a mass-balance approach with a qualified credit transfer. This means that ecocycle, an independent external certification agency, confirms that the project members have replaced the amounts of fossil resources required for the seatbelt buckle covers with pyrolysis oil produced from mixed automotive plastic materials. It is intended to provide sufficient pyrolysis oil to the aforementioned extent for the entire production run of the Q8 e-tron's seatbelt buckle covers on the basis of the currently planned production figures.

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The Audi Group is one of the most successful manufacturers of automobiles and motorcycles in the premium and luxury segment. The brands Audi, Bentley, Lamborghini, and Ducati produce at 22 locations in 13 countries. Audi and its partners are present in more than 100 markets worldwide. In 2022, the Audi Group delivered 1.61 million Audi vehicles, 15,174 Bentley vehicles, 9,233 Lamborghini vehicles, and 61,562 Ducati motorcycles to customers.

In the 2022 fiscal year, AUDI Group achieved a total revenue of €61.8 billion and an operating profit of €7.6 billion. Worldwide, more than 87,000 people worked for the Audi Group in 2022, over 54,000 of them at AUDI AG in Germany. With its attractive brands, new models, innovative mobility offerings and groundbreaking services, the group is systematically pursuing its path toward becoming a provider of sustainable, individual, premium mobility.

Fuel/electric power consumption and emissions values of the models named above:****Audi Q8 50 e-tron**

Combined electric power consumption in kWh/100 km (62.1 mi): 24.0–20.1 (WLTP);
combined CO₂ emissions in g/km (g/mi): 0 (0)

Audi Q8 55 e-tron

Combined electric power consumption in kWh/100 km (62.1 mi): 24.4–20.6 (WLTP);
combined CO₂ emissions in g/km (g/mi): 0 (0)

Audi SQ8 e-tron

Combined electric power consumption in kWh/100 km (62.1 mi): 29.0–26.2 (WLTP);
combined CO₂ emissions in g/km (g/mi): 0 (0)

Audi Q8 50 Sportback e-tron

Combined electric power consumption in kWh/100 km (62.1 mi): 23.7–19.5 (WLTP);
combined CO₂ emissions in g/km (g/mi): 0 (0)

Audi Q8 55 Sportback e-tron

Combined electric power consumption in kWh/100 km (62.1 mi): 24.1–19.9 (WLTP);
combined CO₂ emissions in g/km (g/mi): 0 (0)

Audi SQ8 Sportback e-tron

Combined electric power consumption in kWh/100 km (62.1 mi): 28.2–25.3 (WLTP);
combined CO₂ emissions in g/km (g/mi): 0 (0)

***The indicated consumption and emissions values were determined according to the legally specified measuring methods. The WLTP test cycle completely replaced the NEDC on January 1, 2022, which means that no NEDC figures are available for vehicles with new type approvals from after this date.*

The figures do not refer to a single, specific vehicle and are not part of the offering but are instead provided solely to allow comparisons of the different vehicle types. Additional equipment and accessories (add-on parts, different tire formats, etc.) may change relevant vehicle parameters, such as weight, rolling resistance and aerodynamics, and, in conjunction with weather and traffic conditions and individual driving style, may affect fuel consumption, electrical power consumption, CO₂ emissions and the performance figures for the vehicle.

Due to the more realistic test conditions, the consumption and CO₂ emission values measured are in many cases higher than the values measured according to the NEDC. This may result in corresponding changes in vehicle taxation since September 1, 2018. Additional information about the differences between WLTP and NEDC is available at www.audi.de/wltp

Further information on official fuel consumption figures and the official specific CO₂ emissions of new passenger cars can be found in the “Guide on the fuel economy, CO₂ emissions and power consumption of all new passenger car models”, which is available free of charge at all sales dealerships and from DAT Deutsche Automobil Treuhand GmbH, Helmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen, Germany (www.dat.de).