



Mercedes-Benz
Press Information
March 23, 2026

The all-new Mercedes-Benz GLC: Effortlessly uncompromising

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The all-new GLC: Efficiency and driving pleasure without compromise

The all-new Mercedes-Benz GLC: The highlights

The GLC has been the most popular model globally from Mercedes-Benz for years, repeatedly topping the charts as the brand's bestseller, worldwide. As was the case once again in the first half of 2025. Now, the all-new electric GLC is set to expand the lineup starting in the second half of 2026 for the U.S. market. Extensive customer feedback from around the world defined the development of the electric GLC from the start. Purposeful, refined and unmistakably a GLC, it further enhances everything Mercedes-Benz customers adore.

The all-new electric GLC marks a turning point in the midsize segment. It leads the way with an **elevated design language** and intelligence powered by the AI-driven **MB.OS supercomputer**. Built electric-first, as the first model in a completely new vehicle family, it excels in performance, range, efficiency and charging speed. At the same time, it sets new standards in its class for design, value, versatility and space. The all-new GLC offers even more legroom and headroom than its ICE powered siblings as well as an **impressive 5,291-lb towing capacity**.

Greeting customers as they step into the all-new GLC is the optional **stunning all-new seamless MBUX Hyperscreen**. At 39.1 inches, it is the largest continuous screen in a Mercedes-Benz to date. Combined with warm and inviting ambient light that illuminates the optional **starry SKY CONTROL panoramic roof**, it takes the unique Mercedes-Benz "Welcome Home" feeling of comfort, safety and support to a new level. Curated by Mercedes-Benz UI designers, high-resolution ambient designs and visual modes transform the MBUX Hyperscreen into an immersive, atmospheric digital space that turns every journey into a special experience. The familiar and intuitive feel of belonging in the all-new electric GLC makes it a welcoming space that seamlessly integrates into the lives of its drivers.

Mercedes-Benz also sets new standards with the optional **Vegan Package**. This extravagant suite of interior materials is certified by The Vegan Society. It makes Mercedes-Benz the first car manufacturer worldwide to offer an independently certified vegan interior. It encompasses all soft-touch surface materials in the vehicle's interior – from the seat upholstery and headliner to pillar and door trim panels, as well as the carpeting.

Meanwhile, the all-new GLC's unparalleled driving experience includes the **One-Box braking system**. It provides exceptionally smooth, consistent and assured deceleration, whether via regenerative braking or wheel brakes. The **MB.DRIVE systems** in the all-new GLC take advantage of up to ten available external cameras, five radar sensors and twelve ultrasonic sensors to offer first-class advanced driver assistance technologies¹. With the optional **intelligent air suspension** familiar from the S-Class, the all-new GLC guarantees supreme ride comfort, combined with 4.5-degree rear-axle steering for exceptional agility.

Drivers can enjoy a seamless and intuitive charging experience with the **automated reservation function for charging stations**² at Mercedes-Benz charging hubs as part of the integrated charging service Digital Extra: MB.CHARGE Public³. Mercedes-Benz is the first manufacturer to offer such a feature.

¹ Our driver assistance and safety systems are aids and do not relieve you of your responsibility as the driver. Please take note of the information in the Owner's Manual and the system limits which are described therein.

² Currently, the reservation function is available at select Mercedes-Benz charging stations in Germany and the US. Mercedes-Benz is initially offering the reservation option free of charge as part of MB.CHARGE Public. Mercedes-Benz reserves the right to make reservation chargeable in future.

³ A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account.

The all-new electric GLC combines the reliability and elegance of Mercedes-Benz with cutting-edge electric-drive systems and intelligent, intuitive software. Designed to adapt effortlessly to diverse needs and lifestyles, it continues the GLC legacy in electric form – iconic, versatile, intuitive and smooth.

Mercedes-Benz will offer a diverse portfolio of drive systems for every customer need. With impressive range, powerful performance and the comfort expected from a Mercedes-Benz, the new GLC defines the future of electric driving. Customers can look forward to the top-of-the-range model at market launch, the GLC 400 4MATIC, with 483 hp and up to 715 kilometers⁴ of range.

MB.OS: The AI-driven supercomputer powering the all-new electric GLC

Just as the human brain orchestrates thoughts, senses and actions, the Mercedes-Benz Operating System (MB.OS) integrates and controls every aspect of the vehicle – from infotainment and advanced driver assistance systems to comfort features and charging. At the heart of this system is advanced artificial intelligence, enabling the vehicle to learn driver preferences, adapt to changing conditions and make decisions in real time for a safer, more intuitive experience. This AI-driven supercomputer interacts naturally with occupants, ensuring a seamless and intelligent journey. Not only does MB.OS handle complexity akin to the human brain, but it also leverages extremely powerful chips capable of 254 trillion operations per second.

These high-performance computers connected to the Mercedes-Benz Intelligent Cloud enable over-the-air updates⁵ of the entire vehicle software, keeping the GLC up to date and refreshed for many years. The chip-to-cloud architecture is deeply integrated, ensuring data protection and connectivity from chip to cloud. This allows precise control over all actuators and sensors, from infotainment to comfort to charging, providing an unparalleled driving experience and intelligent integration of vehicle functions into the user interface. MB.OS transforms the GLC into an intelligent companion that thinks, learns and evolves with its driver.

Iconic: Dawn of a new era of distinctive design

Redefining the face of Mercedes-Benz

The new GLC embodies the classic proportions of a Mercedes-Benz midsize SUV in a modern and captivating way. It's the first Mercedes-Benz with the redesigned brand-defining chrome grille. As an illuminated high-tech masterpiece, this iconic grille redefines the face of the brand, exuding prestige and confidence. The dynamic silhouette, with its sculptural shoulder lines and pronounced wheel arches, emphasizes its powerful presence.

Sensual Purity with a starry night panoramic view

Inside, Mercedes-Benz takes the design philosophy of Sensual Purity to a new level. The optional majestically floating, all-new seamless MBUX Hyperscreen creates an impressive, immersive spatial experience with digital elegance. When equipped with active ambient lighting, it further enhances the futuristic impression. The generously expanded interior space, especially at the rear, and the standard panoramic roof provide an elegant and airy ambience. As an option, the SKY CONTROL panoramic roof is available with switchable glass and ambient lighting that illuminates 162 stars in the night sky. High-

⁴ The specified values were determined in accordance with the prescribed measurement procedure WLTP (Worldwide harmonized Light-duty vehicles Test Procedures). The energy consumption and CO₂ emissions of a passenger car depend not only on the efficient utilization of fuel or the respective energy carrier by the car, but also on the driving style and other non-technical factors.

⁵ A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account.

quality materials ensure first-class haptics and elegance – including animal-free options. Here, Mercedes-Benz sets a new standard in the use of vegan materials with the optional **Vegan Package**. This suite of soft-touch interior materials is certified by The Vegan Society. It makes Mercedes-Benz the first automaker globally to offer an independently certified vegan interior.

Versatile: your go-to companion ensuring trusted versatility for every journey

More space than ever before enhances passenger comfort and cargo space

The all-new GLC is the epitome of versatility, spaciousness and comfort, making it the perfect companion for everyday adventures. Seamlessly building on the proven qualities of the popular model series, the electric GLC takes things up a notch. With a 3.3-inch longer wheelbase compared to the ICE GLC, passengers can enjoy an exceptionally roomy and comfortable ride. The result is 0.5 inches more legroom and 1.8 inches more headroom up front, while rear passengers benefit from 1.9 inches more legroom and 0.7 inches more headroom. The trunk provides a generous 20.1 cu-ft of space and, when the rear seats are folded down, it expands to an impressive 61.4 cu-ft. Additionally, the frunk (front trunk) provides an additional 4.5 cu-ft of cargo space and can be opened partially electrically via touch control.

Up to 5,291 lbs towing capacity

The GLC 400 4MATIC Electric can tow up to 5,291 lbs (braked) when equipped with the optional trailer hitch. With ESP® trailer stabilization and Digital Extra: Trailer Maneuvering Assist⁶, the GLC offers particularly convenient and safe handling.

TERRAIN MODE and “transparent hood”: For everyday adventures

The GLC 400 4MATIC features a TERRAIN MODE drive program for dirt or gravel roads, adjusting the characteristics of the drive system, steering and brakes to driving surface. The “transparent hood” function enables a virtual view under the front of the vehicle by combining images from the front camera and exterior mirror cameras.

Intuitive: Unlocking an expansive new digital experience with MBUX and tech innovations

Optional all-new MBUX Hyperscreen creates a welcoming, immersive experience

The optional all-new seamless 39.1-inch MBUX Hyperscreen is the largest continuous screen in a Mercedes-Benz to date. High resolution and innovative matrix-backlight technology provide exceptional sharpness. In combination with the new display styles, this technology creates a unique sense of digital sophistication and leads to a completely new immersive interior experience.

The all-new seamless MBUX Hyperscreen creates a holistic driving and spatial experience. This is complemented by up to 11 styles that can be selected as background motifs. The use of color in the instrument cluster (including the dials and gauges), control elements and ambient lighting is coordinated with these emotional motifs. The impressive ambient styles offer a wide range of ambience – from calm to intense, cool to warm, and technical to emotional. The striking design is notable for its exceptional aesthetics and precision as well as intuitive user navigation. This allows users to create a personal atmosphere in the vehicle where physical and digital worlds blend seamlessly thanks to MB.OS.

⁶ A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account.

Artificial intelligence: Personalized experiences and intuitive interaction

The new GLC uses the fourth generation MBUX, which is the world's first in-car infotainment system to integrate artificial intelligence (AI) from ChatGPT 4o and Microsoft Bing as well as Google Gemini, and for the first time combines multiple AI agents within a single system. Generative AI opens up a new world of personalized experiences and intuitive interaction between the vehicle and its occupants. The MBUX Virtual Assistant uses the "Multi Agent Approach." By selecting the best source for each task, even within the same conversation, it unites the collective knowledge of the internet. For the customer, talking to the MBUX Virtual Assistant is like chatting with a friend – it can provide detailed responses and answer follow-up questions without the need to repeat context. The MBUX Virtual Assistant appears as a living avatar on the MBUX Zero Layer user interface, featuring dynamic colors and animations as well as two new avatar designs. The extensive infotainment offering for the front passenger features a number of available apps⁷, including Microsoft Teams, video streaming and direct access to Disney+⁸.

Intelligent Navigation based on Google Maps, MBUX Augmented Reality Head-Up Display and MBUX Surround Navigation

In the new GLC, MB.OS enables a navigation experience based on Google Maps⁷. Developed as part of the partnership between Google and Mercedes-Benz, this navigation solution is among the first integrations of Google Cloud's new Automotive AI Agent for in-vehicle conversational services in combination with Google Maps. The new Google Cloud Automotive AI Agent has been integrated directly into the vehicle together with Google Maps.

This is complemented by the optional MBUX Augmented Reality Head-Up Display, which appears to project key navigation information such as arrows, lane recommendations and points of interest directly onto the road ahead. This intuitive visual guidance helps drivers anticipate and manage complex driving situations with greater ease, enhancing confidence and comfort, especially in unfamiliar cities or heavy city traffic.

Visual communication also reaches a new dimension with MBUX Surround Navigation. Supported by the vehicle's cameras and sensors, it displays a real-time 3D representation of the vehicle and its surroundings on the driver display. Drivers benefit from enhanced situational awareness.

The sky's the limit: light up night-time journeys under a starry sky

The one-piece panoramic roof with optional SKY CONTROL is made from insulating, laminated safety glass and creates a captivating atmosphere in the interior. As an optional feature, the impressively large glass surface can also switch between transparent and opaque. The surface is divided into nine switchable zones to allow customers to individually choose how much light comes in. At night, the ambient lighting (also optional) creates a stunning effect. 162 stars are integrated into the glass surface and can be illuminated, creating a magical experience.

Impressive staging: the new GLC greets customers like a trusted friend

The GLC greets and bids farewell to its driver with extensive, fully orchestrated light animations. This incorporates the new iconic grille and taillights and is accompanied by the aura sound of the chosen soundscape. Inside, the emotional welcome continues with ambient lighting and newly designed animations on the optional all-new seamless MBUX Hyperscreen. When the GLC is parked, a corresponding "Goodbye" animation takes place.

⁷ A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account.

⁸ Available to current Disney+ subscribers. Disney+ account and active subscription required.

Smooth: The perfect blend of long-distance comfort and sporty agility

Intelligent navigation with integrated reservation function at select charging stations

A highlight of the new electric architecture is the 800-volt system, which significantly reduces charging time in conjunction with the new generation battery. This pairs with Digital Extra: MB.CHARGE Public⁹ to offer a seamlessly connected, quick and convenient charging experience.

Digital Extra: MBUX Navigation with Electric Intelligence⁹ always plans the fastest and most comfortable route including charging stops at compatible charging stations, considering factors such as topography, route layout and weather information. Customers can use the integrated charging service Digital Extra: MB.CHARGE Public^{9,10} to reserve a charging station in advance at select Mercedes-Benz charging hubs. When route guidance using Navigation with Electric Intelligence is active, the vehicle automatically makes the reservation 15 minutes before reaching the charging station.

The all-new GLC can recharge up to 305 kilometers¹¹ of range in ten minutes. The innovative battery system of the GLC is based on a highly integrated modular architecture and includes a lithium-ion battery with a 94-kWh usable capacity. A DC converter is equipped standard to also enable charging at 400-volt DC fast charging stations.

New brake system: Superior brake pedal feel and high recuperation performance

The GLC is equipped with a new One-Box braking system that provides a steady, assured brake pedal feel, whether braking is achieved through regenerative braking or wheel brakes. For each brake application, the system calculates the maximum recuperation and the minimum use of the wheel brakes. In everyday driving, deceleration is handled almost exclusively via recuperation, allowing energy to be recovered. In over 99 percent of all braking events, the hydraulic brake system is therefore not required. Recuperation up to 300 kW is possible, which significantly contributes to maximizing electric range. Drivers can select four levels of recuperation: “D-” (maximum recuperation), “D” (standard recuperation), “D+” (no recuperation) and “D Auto” (intelligent recuperation).

Standard multi-source heat pump: High thermal comfort even in winter

The electric GLC also provides impressive thermal comfort in winter. The standard multisource heat pump uses waste heat from the Electric Drive Unit, battery and ambient air to efficiently heat the interior. Appropriate battery conditioning enables outstanding charging performance.

Ride comfort and agility with S-Class technology: Intelligent air suspension and rear-axle steering

Whether it's a relaxed weekend excursion, a long-distance stretch at highway speeds or the last few unpaved miles on the way to a campsite or ski lodge – the new GLC offers the optimum balance between driving dynamics and ride comfort in all situations. Thanks to the proven air suspension technology from the Mercedes-Benz S-Class, road surface imperfections are almost completely absorbed, ensuring a remarkably smooth ride. The adaptive damping system offers the perfect blend of ride comfort and agility. The optional Agility & Comfort Package includes AIRMATIC air suspension with intelligent suspension control combined with rear-axle steering, which enables a steering angle of up to

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¹⁰ Currently, the reservation function is available at select Mercedes-Benz charging stations in Germany and the US. Mercedes-Benz is initially offering the reservation option free of charge as part of MB.CHARGE Public. Mercedes-Benz reserves the right to make reservation chargeable in future.

¹¹ The actual range depends on numerous factors, such as individual driving style, environmental conditions, battery aging, auxiliary consumers such as air conditioning, optional equipment, tires, payload, and route profile, and may therefore differ from the WLTP value specified.

4.5 degrees in either direction. This advanced technology further sets the GLC apart from other vehicles in its class.

New high-end seats and steering wheel: Improved ergonomics and return of popular rocker and roller

The new seats of the GLC offer the highest comfort, ensuring drivers and passengers arrive refreshed even after a long drive. All available seats are certified with the German AGR seal from “Aktion Gesunder Rücken” (Organization for Healthy Backs. See [here](#) for further information on the seal). The new steering wheel is designed to be even more ergonomic and intuitive to operate. By popular demand based on customer feedback, Mercedes-Benz has reintroduced the control concept with a rocker for the cruise control and Digital Extra: Distance Assist DISTRONIC¹² as well as a roller for volume control. The capacitive switch panels are seamlessly integrated and offer tactile aids for better orientation.

ENERGIZING COMFORT: The all-new GLC offers wellness on every trip

The newly designed, diverse ENERGIZING COMFORT programs (optional) offer an extensive wellness program for the GLC and are now available as a separate app¹². For the first time, it is possible to deactivate the ENERGIZING sounds to enjoy the programs with personal music or podcasts. The all-new seamless MBUX Hyperscreen animations and sounds (3D and 4D) are meticulously designed and enhance the ENERGIZING COMFORT programs.

Brighter and more efficient: DIGITAL LIGHT with micro-LED technology

The new GLC features the next generation of DIGITAL LIGHT with micro-LED technology. The high-resolution lighting field is significantly bigger than before and enables more brightness for high beam and road projections. At the same time, the energy consumption of the lighting module is approximately 50 percent less than its predecessor. The Ultra Wide high beam is incorporated into the cornering light and provides a very wide light distribution for improved visibility. Thanks to combined camera information and map data, the cornering light reacts even more precisely to the course of the road. The partial high-beam function is available on the GLC in the U.S. for the first time. It now operates even more robustly, as detection of poorly lit road users has been further improved.

MB.DRIVE: Advanced driver assistance systems

The new GLC is equipped standard with eight external cameras, five radar sensors and twelve ultrasonic sensors to offer first-class driver assistance technologies¹³. These are all connected to a high-performance control unit that runs with MB.OS and acts like the brain of the GLC. Fully focused, constantly alert and lightning fast, MB.DRIVE uses artificial intelligence to process vast amounts of raw data from the sensors to understand the driving situation.

¹² A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account.

¹³ Our driver assistance and safety systems are aids and do not relieve you of your responsibility as the driver. Please take note of the information in the Owner's Manual and the system limits which are described therein.

Mercedes-Benz management on the all-new GLC

“The biggest product-launch program in our company’s history continues with the all-new GLC. We’re not just introducing a new model – we’re electrifying our top seller. It will feature a bold new design language, cutting-edge technology, our MB.OS operating system and performance that sparks excitement. The all-new GLC is comfort, dynamics, efficiency and intelligence in perfect harmony.”

Ola Källenius, Chairman of the Board of Management, Mercedes-Benz Group AG

“The all-new electric GLC is the result of an intensive dialogue with our customers – a vehicle that impresses across the board with everyday practicality, high range and powerful driving dynamics. The entire driving experience embodies what makes a Mercedes-Benz: comfort, safety and the feeling of having arrived – Welcome Home.”

Mathias Geisen, Member of the Board of Management, Mercedes-Benz Group AG, responsible for Sales

“Super-intelligent, highly versatile and exceptionally smooth – with advanced technologies, the all-new electric GLC offers everything our customers have been waiting for and even more. Our own operating system MB.OS unlocks a new dimension with the MBUX Virtual Assistant and MB.DRIVE assistance and safety systems. All easy and intuitive to use via the brilliant all-new seamless MBUX Hyperscreen, the largest yet in a Mercedes-Benz.”

Markus Schäfer, Member of the Board of Management, Mercedes-Benz Group AG,
Chief Technology Officer, Development & Procurement

“The all-new electric GLC is more than just a car, it paves the way for a new era of iconic design. With the new grille, we’ve redefined the brand’s face by reimagining and preserving one of the most iconic design elements in automotive history. As an elevation of Sensual Purity, the electric GLC is the perfect blend of tradition and the future and ensures that Mercedes-Benz remains instantly recognizable.”

Gorden Wagener, (former) Chief Design Officer, Mercedes-Benz AG

Iconic: dawn of a new era of distinctive design

The all-new Mercedes-Benz GLC: exterior and interior design

- Unique iconic grille redefines the face of the brand
- High-tech pixel graphics in the grille with 942 illuminated points – animation as an optional extra
- Eye-catching illuminated center star
- Immersive sense of space thanks to optional all-new seamless MBUX Hyperscreen and SKY CONTROL panoramic roof
- New attractive, high-resolution ambient display styles
- First vegan interior certified by renowned The Vegan Society

The new GLC continues the timeless proportions of the Mercedes-Benz midsize SUV with a thoroughly modern twist. The iconic grille defines the striking, confident front end. Wheels available up to 21-inches and give the vehicle a powerful stance. Pronounced wheel arches and a sculpted shoulder section emphasize the dynamic silhouette. Each line underscores the sporty proportions of the GLC and gives it an unmistakable aesthetic.

Iconic grille redefines the face of Mercedes-Benz

As a reinterpretation of one of the most iconic design elements in automotive history, the new grille marks an important milestone and redefines the face of the brand. From a functional feature of the combustion-vehicle era, the grille of the all-electric GLC has evolved into an illuminated high-tech work of art. The redesigned radiator grille preserves the essence of Mercedes-Benz, conveying prestige through reduction, clean lines and technology. The new GLC is the first model to bear this iconic grille. It features a wide chrome frame, a smoked-glass-look mesh structure and integrated contour lighting.

An illuminated version is available as an option, featuring a total of 942 polycarbonate backlit dots. This optional high-tech pixel graphic can even be animated and brings the GLC to life. Additionally, the central star and integrated surrounding contour of the iconic grille are illuminated.

The standard high-performance LED headlights and optional DIGITAL LIGHT are integrated harmoniously into the front of the vehicle. The iconic star logo and “visor” signature of the daytime running lights, marker lights and indicators emphasize the design, day or night.

Chrome exterior elements, including the side-window surrounds, and the generous panoramic roof accentuate the vehicle's prestige. Roof rails and chrome trim on the exterior air intakes and side sills complete the look. The GLC features flush-fitting door handles in combination with standard KEYLESS-GO with HANDS-FREE ACCESS.

Star-design taillights that communicate through animations

The rear area of the vehicle is characterized by its innovative two-piece taillights with captivating star motif. As an option, these lights will animate in conjunction with the illuminated grille when the vehicle is unlocked or charging. Another highlight is the two-piece roof spoiler with its black lip, which also adds visual height to the SUV.

The GLC combines a stunning exterior with excellent aerodynamics typical of the brand ($c_d = 0.26$). Sophisticated aerodynamic detail work means that optional extras have a minimal effect on aerodynamics.

Analog luxury meets digital elegance with the all-new seamless MBUX Hyperscreen

The interior elevates the Mercedes-Benz design philosophy of Sensual Purity to a new level. Modern elegance meets digital sophistication paired with an immersive spatial experience. The seamlessly integrated sculpted trim combines the instrument panel and center console into a harmonious piece and embodies analog luxury. At the same time, it sets the stage for the optional, majestically floating all-new seamless MBUX Hyperscreen, which spans the entire width of the interior. The 39.1-inch screen brings the digital world of Mercedes-Benz into the cabin of the new GLC. The ambient lighting perfectly sets the scene for the floating effect and emphasizes the futuristic feel.

Atmospheric display styles can be selected as background motifs via a dedicated app, amplifying the expansive screen's distinctive effect. Mercedes-Benz UI designers crafted these high-resolution welcome animations with meticulous attention to detail. The striking background images offer a wide range of ambience styles – from calm to intense, from cool to warm and from technical to emotional – to allow customers to personalize the atmosphere of the cabin. The colors of the instrument cluster including dials and gauges as well as the ambient lighting are coordinated with these emotional motifs. The background motifs are also displayed on the new optional MBUX Superscreen with individual displays.

Ambient lighting takes center stage in the new GLC. A light strip on the uppermost level of the instrument panel frames the interior and illuminates the generous expanse of space. It also visually unites the instrument panel with the doors in a seamless, luxurious ensemble. The optional ambient lighting for the available SKY CONTROL panoramic roof with switchable glass surface also contributes to the harmonious, luxurious overall experience. Its pattern is integrated into the overall design concept, ensuring the stars are color-matched accordingly.

Large sculptural element merges center console and instrument panel

With a dynamic sweep, a large trim element connects the center console with the instrument panel, visually merging the two into one. The floating effect is further emphasized by the cleverly integrated ambient lighting on the lower edge of the trim piece. Depending on the equipment of the vehicle, the center console houses up to two charging trays for inductive and rapid smartphone charging. Behind these is the newly designed control strip with hard keys, including one for the hazard warning lights. The cupholders are now spatially separated from the charging trays, in response to customer feedback. The galvanized climate control air vents with a high-tech aesthetic, blending analog and digital worlds. When the temperature is adjusted in the climate control, this is indicated through a brief color change of the ambient lighting and in the air vents.

The speaker grilles integrate seamlessly into the design and are finished to a high standard. For the first time, Mercedes-Benz has employed a horizontal line graphic with 3D relief and two-tone finish on these grilles. In the optional Burmester® 3D Surround Sound System, the grilles are even made of stainless steel. The power seat controls in the doors have been refined and offer impressive ergonomics and aesthetics. The same applies to the high-quality covered rear surfaces of the headrests in the integral seats.

First-ever vegan-certified interior and new color/material combinations

The all-new electric GLC offers a selection of exquisite materials that create a uniquely high-quality interior in this segment. Additionally, Mercedes-Benz sets a new standard in the use of vegan materials. The company is the world's first car manufacturer to offer vegan interior equipment certified by an independent organization. The globally renowned The Vegan Society has evaluated and certified as vegan all soft-touch surface materials in the optional Vegan Package for the interior of the electric GLC – from the seat upholstery to the headliner, from pillar and door panels to carpeting. Customers can be assured that the tested surfaces made from the high-quality MB-Tex and textiles contain no animal-derived products.

The Vegan Society has also confirmed that no ingredients or animal-derived additives in processed or unprocessed form have been added or used at any stage of production or processing. The certified Vegan Package will be introduced as an interior option with the new electric GLC. The package will be labelled with The Vegan Society's well-known Vegan Trademark in the Mercedes-Benz vehicle configurator (further information is available [here](#)).

In addition to the vegan-certified interior, a broad selection of other high-quality interior materials is available in the GLC. In the AMG Line Sport Seat Package, the door beltlines and the area beneath the windshield are finished in an elegant Nappa leather-look MB-Tex and feature fine decorative stitching. The carefully coordinated color concept comprises three elegant standard shades: deep Black, stylish Macchiato Beige and warm Beech Brown. As a special highlight, exclusive Nappa leather is available in sophisticated Tartufo Brown. Interior trim elements are available in the following finishes:

- White Open-Pore Natural Fiber
- Open-Pore Fineline Birch Wood in Grey or Brown
- High-Gloss Silver Metallic Mixed Fabric
- Black / Silver Metallic Mixed Fabric
- Anthracite Anodized-Look
- Black Open-Pore Fineline Ship's Deck Wood

A broad selection paired with a high-quality feel also applies to the seat upholstery. Both the comfort and sport seats are manufactured using a sophisticated one-piece method and feature double stitching in the seat insert. For this purpose, the designers selected high-contrast threads. The new "Twisted Diamond" design combines elegant diamond perforation with contrasting stitching to emphasize its handcrafted character. The centers of the door panels echo this design with contrasting colored stitching. The "Twisted Diamond" design is only available with optional sport seats in Nappa leather in Tartufo Brown. The AMG Line leather sport seats are equally meticulously crafted and feature side bolsters with moccasin stitching.

Versatile: Your go-to companion, ensuring trusted versatility for every drive

The new Mercedes-Benz GLC: Dimensional concept; towing capacity; access; drive programs

- Plenty of legroom, headroom and cargo space, among other practical details
- Towing capacity of up to 5,291 lbs
- Standard KEYLESS-GO and HANDS-FREE ACCESS add convenience
- TERRAIN drive program and “transparent hood” function
- Flexible production in Bremen; decarbonization of the supply chain; resource-conserving design

With a 117-inch wheelbase – 3.1 inches longer than the combustion-engine GLC – the new model ensures even more generous space and a high level of seating comfort. Front and rear passengers gain an extra 0.5 inches and 1.9 inches of legroom, respectively. Headroom increases by 1.8 inches at the front and 0.6 inches at the rear, thanks to the standard panoramic roof (see separate chapter).

Cargo space

The trunk offers a generous 20.1 cu-ft of capacity, expanding to 61.4 cu-ft with the backrest folded down. A further 4.5 cu-ft (3.5 cu-ft according to ISO 3832) is available in the frunk. The frunk lid opens at the touch of the Mercedes-Benz star. For safety, only the retaining hooks then need unlocking via a central handle.

This detail is just as practical in the rear trunk. The trunk floor can be lowered by 3.1 inches, making it possible to transport taller objects. The rear seat backrest can be folded electrically in a 40:20:40 configuration as standard and a load compartment roller blind is included standard.

5,291-lb towing capacity

The GLC 400 4MATIC Electric can tow up to 5,291 lbs (braked) when equipped with the optional trailer hitch. True to Mercedes-Benz tradition, towing capability is matched by comfortable and stable handling. In combination with the optional trailer hitch, ESP® trailer stabilization is standard on the all-new GLC.

Moreover, optional Digital Extra: Trailer Maneuvering Assist¹⁴ also aids the driver when reversing with a trailer. The system automatically controls the steering angle of the towing vehicle at speeds up to 4 mph and on gradients up to 15 percent. The trailer type can be selected and the maximum permitted speed specified in a menu on the central display. This allows the vehicle to adapt the functions of the Digital Extra: Speed Limit function¹⁴ for trailer operation, for example. Furthermore, the Digital Extra: MBUX Navigation with Electric Intelligence¹⁴ takes into account the additional trailer-specific energy requirements in the energy forecast and planning of charging stops.

KEYLESS-GO

With standard KEYLESS-GO, the GLC automatically unlocks or locks as the driver approaches or moves away from the vehicle with the key. This feature can be deactivated via the central display if desired, in which case locking and unlocking via the door handle is possible. Additionally, KEYLESS-GO includes HANDS-FREE ACCESS, allowing the tailgate to open and close automatically with a gentle kicking motion under the rear bumper – especially useful when carrying bags or cumbersome items.

¹⁴ A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account

The GLC can be started and locked by simply activating a compatible device – for example a smartphone or smartwatch – via the Digital Extra: Digital Vehicle Key¹⁵, which can be securely stored in a digital wallet. Key-sharing is also possible. Family and friends may be invited digitally and the owner can assign different permissions, granting either entry only or also driving access.

TERRAIN mode and "transparent hood" function

In addition to ECO, COMFORT, SPORT and INDIVIDUAL drive programs, the GLC 400 4MATIC also features a TERRAIN drive program for dirt or gravel roads. In this mode, the front axle of the 4MATIC all-wheels drive is permanently engaged and the system adjusts the characteristics of the drivetrain, steering and brakes. On vehicles equipped with optional DIGITAL LIGHT, the off-road light is activated. Wide illumination helps the driver better recognize obstacles.

The "transparent hood" function, included with standard Digital Extra: MB.DRIVE PARKING ASSIST 360^{15,16}, provides a virtual view of beneath the front of the vehicle. For the camera view in the central display, the GLC combines images from the front camera and the two exterior mirror cameras. A trajectory overlay helps the driver to select the optimum driving path.

Production at the Mercedes-Benz Bremen plant

Core segment models based on the new electric architecture will be built highly flexibly and net-carbon neutrally¹⁵ within the global Mercedes-Benz production network. In addition to Bremen, vehicles of this segment will also be produced in Kecskemét, Hungary, and at Beijing Benz Automotive Co., Ltd (BBAC) in China. All plants are integrated into the digital production ecosystem MO360, which is increasingly evolving into a highly dynamic, AI-focused operating system for production. For the first time, humanoid robots will also be used in the network. With the help of a digital twin, the plants are prepared and converted for the production of the new models highly efficiently and in a short time.

The new electric GLC will be flexibly produced on the same line as vehicles with conventional drivetrains at the Bremen plant. The assembly of the electric GLC takes place in Hall 9, the largest production hall at the Bremen plant. Production is net carbon-neutral¹⁷. The plant is supplied with 100 percent green electricity. Several Mercedes-Benz locations supply the production of the electric GLC in Bremen. Electric drive units for the new model come from the Romanian plant Sebes (Star Assembly SRL), the electric axles from the Hamburg plant, and the batteries from Kamenz (Accumotive GmbH & Co. KG).

Major progress in decarbonizing the supply chain

By implementing specific carbon reduction measures in the supply chain and during battery charging, carbon savings continuously improve. The new electric GLC achieves a two-thirds reduction in carbon footprint across its entire lifecycle compared to the current combustion engine powered GLC.

Mercedes-Benz is consistently implementing carbon reduction measures for the all-new electric GLC. The company already sources carbon-reduced aluminum for more than two-thirds of the vehicle's aluminum requirements. In addition to the body and steering knuckles, the aluminum wheels and battery, including its housing, are made from aluminum that has a carbon footprint reduced by at least

¹⁵ A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account

¹⁶ Our driver assistance and safety systems are aids and do not relieve you of your responsibility as the driver. Please take note of the information in the Owner's Manual and the system limits which are described therein.

¹⁷ Net carbon-neutral means that carbon emissions that are not avoided or reduced at Mercedes-Benz are compensated for by certified compensation offsetting projects.

40 percent¹⁸ compared to the conventional import mix. This is achieved by using both renewably generated electricity in the electrolysis process and a high proportion of recycled aluminum for production.

The carbon footprint of the new generation battery is also reduced by approximately 30 percent per cell compared to conventional production through carbon reduction measures in the high-voltage cell. In addition to net carbon-neutral¹⁹ cell production, renewable energy is also used in the production of cathode, anode and cell housing materials.

Resource conservation through the use of secondary materials

The Mercedes-Benz Group aims to increasingly decouple its resource consumption from the growth of its production output and minimize the consumption of primary resources. Plastics, steel and aluminum are particularly important in this regard as these are required in large quantities in vehicle production and are particularly energy and resource intensive.

Mercedes-Benz Cars seeks to limit the amount of primary material and to increasingly reduce its proportion by using secondary materials. For new Mercedes-Benz vehicles, such as the all-new GLC, the Mercedes-Benz Group stipulates a minimum proportion of recycled material per focus material in their specifications.

As early as the design phase, experts from the specialist departments consider the composition of the materials, analyze alternatives, use recycled materials wherever possible and focus on lightweight construction and recyclability. This results in vehicles being more resource efficient through its entire lifecycle. A variety of factors are considered when deciding on the use of materials. Alongside costs, resource-efficient technologies and the use of alternative materials such as secondary materials and renewable raw materials, this also includes industrialization options. This involves examining the extent to which development results are transferable to large-scale industrial production, for example in the use of raw materials.

The result of these endeavors is the increased use of secondary materials and renewable raw materials in vehicles. One example of this is the seating system in the new GLC (see section “New high-end seats for even greater comfort”).

²¹ Per kilogram of aluminum

¹⁹ Net carbon-neutral means that carbon emissions that are not avoided or reduced are compensated for by certified compensation offsetting projects.

Intuitive: Unlocking an expansive new digital experience

The new Mercedes-Benz GLC: Fourth-generation MBUX and high-tech innovations

- Fourth-generation MBUX opens up a new world of personalized experience and intuitive interaction between vehicle and occupants
- New MBUX generation is the world's first in-car infotainment system to integrate artificial intelligence (AI) from both Microsoft and Google
- New MBUX Virtual Assistant with "Multi Agent Approach"
- SKY CONTROL Panoramic roof with available switchable glass surface combines a unique look with thermal insulation

Smartphone-like intelligence with new generation of MBUX

With the new fourth generation of MBUX infotainment, the electric GLC remains up to date and refreshed for years to come – similar to a smartphone, which can be regularly updated with new apps and extended functions. The Mercedes-Benz operating system, MB.OS, transforms the GLC into an intelligent companion that thinks, learns and evolves with its driver.

All-new MBUX seamless Hyperscreen

The optional all-new, seamless 39.1-inch MBUX Hyperscreen is the largest display unit from Mercedes-Benz to date. It boasts exceptional clarity thanks to high resolution and innovative matrix backlight technology with over 1,000 individual LEDs. Zone dimming allows simultaneous adjustment of two display areas via sliders. Mercedes-Benz has filed a patent for this groundbreaking technology.

The optional Exclusive and Pinnacle Trims include the latest MBUX Superscreen, which combines three separate displays under a large glass surface – a 10.25-inch driver display, 14-inch central display and 14-inch front passenger display. In standard configuration, the all-electric GLC is equipped with a digital trim element in place of a passenger display on which a personal photo or one of 12 predefined images can be shown.

State-of-the-art high-performance chips and real-time graphics from the Unity Game Engine control the digital displays. The operating and display concept is tailored not only to the vehicle, but also to individual customer preferences following the design principle of reduction to the essentials. The enhanced MBUX Zero Layer displays the most relevant information, suggestions and most recently used apps²⁰. In the app grid, apps can be moved and grouped into individually named folders, similar to a smartphone. When an app is open, a simple swipe to the left returns to the app grid. Another swipe takes the user back to the Zero Layer. Alternatively, they can still go directly to the Zero Layer at any time via the home button.

Entertainment functions are available to the front passenger while the vehicle is in motion. Numerous safety precautions, such as eye-tracking technology, ensure that the driver is not distracted.

Regardless of the screen layout, Mercedes-Benz uses a special algorithm in the graphics driver software to improve the readability of the displays in sunlight.

²⁰ A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account.

Artificial intelligence makes the fourth generation MBUX even smarter

The fourth generation of the Mercedes-Benz User Experience (MBUX) infotainment system opens up a new world of personalized experience and intuitive interaction between vehicles and occupants. The new MBUX generation is the world's first in-car infotainment system to integrate artificial intelligence (AI) from both Microsoft and Google.

Highlights of the new generation MBUX include a new user interface with redesigned welcome animations and enhanced Zero Layer, an extensive range of apps²¹, the MBUX Virtual Assistant with different avatars and generative AI, navigation provided by Google Maps and MBUX Surround Navigation.

The MBUX Virtual Assistant with “Multi Agent Approach”: Intelligent, easy to talk to and empathetic

With generative AI, the new MBUX Virtual Assistant revolutionizes the relationship between vehicle and driver. It represents the next evolutionary step of the MBUX voice assistant and goes far beyond responding to commands. The MBUX Virtual Assistant enables complex, multi-turn conversations – like one has with a friend – and has short-term memory. This is possible thanks to the “Multi Agent Approach”. Depending on the context – whether navigation or POI-related questions or knowledge questions – the system accesses different sources within the same conversation. Multiple agents combine the collective knowledge of the internet and answer the request autonomously. The MBUX Virtual Assistant can also retain context. This means that users can continue conversations and retrieve information during a journey. The MBUX Virtual Assistant is activated with the familiar keyword “Hey Mercedes.”

ChatGPT4o and Microsoft Bing Search operate as agents in the knowledge area to answer questions like: “Hey Mercedes, what highlights can I expect at IAA?”, “Which restaurant in Munich also offers good pretzels?” and “Oh, and do you eat them with mustard or ketchup?”. Users can speak naturally. For example, the virtual assistant can respond to questions like “Hey Mercedes, what is a black hole? Explain it so a child can understand.”

Thanks to Google Cloud's Automotive AI Agent, the MBUX Virtual Assistant is also well-versed in navigation-related questions. The agent was developed with Gemini via Vertex AI and is specially tailored to the automotive industry. It can access information from the Google Maps platform to provide users with personalized answers to questions about navigation, points of interest and much more. For example, it can respond with suggestions to the following question: “Hey Mercedes, I have an appointment today after visiting IAA. Do you have any ideas for something special to do around here?”

The third agent is well-versed in questions about the customer's own vehicle and can therefore assist with queries such as: “Can I charge my car at the electrical outlet at home?”

The virtual assistant is always present on the Zero Layer as a “living” avatar in the form of the Mercedes-Benz star. In the default setting, it is blue or silvery blue with AMG Line. The colors in the avatar represent the emotions of the Virtual Assistant. For example, it reacts positively to “thank you” (green) or shows joy (colorful) when telling a joke. With various animations, the virtual assistant also signals whether it is currently speaking, listening or processing information. Movement, brightness, intensity and color interact seamlessly to communicate intuitively with vehicle occupants.

²¹ A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account.

In addition to the star avatar, there are two new representations of intelligence. The first is a human-like avatar, which emerges from a condensing cloud of stars. It embodies intelligence in a technologically futuristic manner. The second new avatar, nicknamed “LittleBenz,” with its expressive face, allows for an even stronger connection. Its lively form invites inspiring interaction.

SKY CONTROL panoramic roof: Fascinating world of light and shade with illuminated starry sky at night

The large, one-piece panoramic roof offers a completely new interior experience with a nearly unobstructed view of the sky. The glass surface features standard of heat-insulating laminated safety glass, equipped with an infrared-reflecting coating as well as an ultra-thin Low-Emissivity (LowE) coating on the inside. This helps reduce cabin temperatures in the summer. In winter, the LowE coating reduces heat loss by reflecting the interior heat back into the cabin.

With optional SKY CONTROL, the glass surface can be switched between transparent and opaque to create a special interior ambience. To achieve this, the SKY CONTROL panoramic roof is divided into nine individually changeable segments, enabling customers to choose how much light comes into the interior.

Customers can change the transparency of the glass roof via a menu in the vehicle settings in the central display, where a roof symbol with the nine segments is shown. The segments can be selected individually to create a bespoke pattern. Alternatively, there are three predefined settings: “clear”, “opal” (opaque) and “Motif”, the latter being a striped pattern. Customers can also access this function quickly via the Zero Layer, if frequently used, or by saying “Hey Mercedes, make the roof transparent” or “Hey Mercedes, show me the stars.” If the opal/clear soft key is used or the roof is completely opened or closed using voice control, the system starts with a roller blind-like scene lasting around six seconds.

This PDLC technology (Polymer-Dispersed Liquid Crystal) works by sandwiching a liquid containing microcrystals between two glass panes. When voltage is applied, the crystals align uniformly and render the surface transparent. When the power supply is interrupted, the crystals return to a random orientation. The glass then becomes opaque and provides better glare protection from direct sunlight.

Ambient lighting is also available as an option for the SKY CONTROL panoramic roof with switchable glass. It creates an impressive effect at night thanks to 162 stars, which are integrated into the glass surface and can be illuminated to produce a unique brand-style motif. The stars can glow in any of the 64 individual colors or match the chosen ambient lighting color world, which drivers can select via the ambient lighting menu. The stars are printed on a medium in the glass, while the light is fed in via LED modules on both sides of the roof.

The new GLC welcomes drivers like a trusted friend

The all-new GLC greets drivers with an extensive, holistically orchestrated “welcome” greeting. On the outside, this includes animations on the optional illuminated panel of the iconic grille and in the taillights, while the aura sound of the selected Sound Experience plays simultaneously. An emotional welcome in the interior is provided by the ambient lighting and newly designed animations on the optional MBUX Superscreen or MBUX Hyperscreen. When the GLC is parked, a corresponding “goodbye” presentation starts. This is part of the overall staging of the vehicle. In the GLC, it consists of several coordinated functions and is enabled by MB.OS.

This technology also offers very practical advantages. Before the driver gets in the vehicle, they can pre-

activate their own MBUX profile via face ID authentication with the Digital Extra: Digital Vehicle Key²². The Easy-Entry function is also automatically activated; the seat is then moved into the driving position and the user profile is loaded. Personal settings including navigation history or favorite entertainment apps are also loaded. The system also offers quick access to the most recently used apps and makes suggestions based on the user's habits.

The front passenger can also be authenticated in the GLC using facial recognition²². On vehicles equipped with MBUX Superscreen or MBUX Hyperscreen, the system automatically loads the corresponding user profile on the front passenger display.

Comprehensive entertainment offering makes every drive a special experience

An expanding portfolio of apps²⁴ is available for all-electric GLC. For the first time, user-specific app folders can be created. Favorite apps can also be organized separately for the front area. Video streaming and entertainment features are available on all screens when the vehicle is stationary with the gear selector in park. On vehicles equipped with MBUX Superscreen or MBUX Hyperscreen, entertainment features are available to the front passenger on the passenger display while the vehicle is in motion as long as the driver's gaze is kept on the road and not on the passenger's screen²³.

The in-car app store provides access to various video conferencing apps²⁴. This includes a new version of the "Meetings for Teams" app, which takes productivity in the car to a new level. Drivers can use the in-car camera while the vehicle is in motion, allowing other participants to see them during a meeting. Given the brand's emphasis on safety, the use of the camera complies with the laws of the respective country and has been approved for use while the vehicle is in motion. The meeting video automatically turns off as soon as the camera is activated to prevent driver distraction. Drivers therefore do not see shared screens or slides – and the camera can be turned off at any time.

Disney+ is also directly accessible via the GLC's MBUX infotainment system. Digital Extra: MBUX Entertainment Package²⁴ and an active Disney+ subscription are required. Whether on long journeys or daily commutes, passengers can immerse themselves in an extensive library of titles from Disney, Marvel, Star Wars, Pixar and National Geographic.

Music becomes tangible and visible

With the optional Burmester® 3D and 4D Surround Sound Systems, customers can now also experience Dolby Atmos via Apple CarPlay, in addition to natively integrated apps. Dolby Atmos has also been further enhanced with stronger three-dimensional sound and more localized audio reproduction especially for rear-seat passengers. Dolby Atmos audio²⁵ is transmitted to the sound system in the GLC with even higher resolution.

The holistic entertainment experience becomes even more immersive with optional Active Ambient Lighting featuring sound visualization. Driver and passengers can literally "see" music tracks and sounds from films or apps via the light band of the Active Ambient Lighting. Songs or audio with a fast beat or rhythm can trigger quick light changes, while flowing melodies produce gently shifting light atmospheres.

²² A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account.

²³ Passengers can use the entertainment functions while the vehicle is moving in line with country-specific legal regulations.

²⁴ A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account. Features also require active MBUX Entertainment Package and data plan.

²⁵ Digital Extra: MBUX Entertainment Package is required.

The optional Burmester® 4D Surround Sound System delivers multidimensional surround sound. Special Burmester® algorithms and two speakers integrated into the headliner create true 3D surround sound, while exciters in the seats add tactile bass vibrations – to create 4D sound, inspired by singing-bowl massage therapy. Music thus becomes even more emotionally powerful thanks to these tactile elements. A body sound transducer is integrated into the backrest of each front seat. Speakers are also integrated into the front seats closer to ear level for a high degree of speech intelligibility, for example when making phone calls. In the Burmester® Sound settings, the intensity of the sound-dependent staging can be adjusted using a slider.

Holistic “Sound Experience” with personalized acoustic setups

Mercedes-Benz offers a holistic “Sound Experience.” Various sound worlds enable personalized acoustic setups for informative feedback sounds and emotional sound enhancement. The sound worlds can now be conveniently selected as an app in the app grid. The range comprises “Silver Waves,” “Vivid Flux,” “Serene Breeze” and “Roaring Pulse” (AMG Line), as well as these two new sound worlds:

- “Fractal Fusion” blends nostalgic 1980s arcade-game tones and synthwave music with modern, vibrant synth textures.
- “Granular Fuzz” offers an expressive, organic style that emphasizes individualism and adventure, combining guitar riffs, epic orchestral soundtrack elements, nature samples and expansive electronic effects.

The “Sound Experience” is active even when the vehicle is stationary. The startup, shutdown and welcome sounds in the interior vary stylistically. Locking and unlocking are accompanied by a specific sound and the aura. There is even a charging-plug tone to confirm correct connection and disconnection from a charger. Once the vehicle is ready to drive, simulated “revs” can be generated via the accelerator pedal. The “Sound Experience” is available for all audio systems and utilizes the spatial distribution of all speakers on the vehicle. Informative sounds such as the tailgate warning tone or parking assistance tones²⁶ are also stylistically varied with the sound world. On vehicles equipped with the Burmester® 4D Surround Sound System, the real-time generated driving sound can optionally also be reproduced via the exciters in the seats, for an even more immersive experience.

The legally required Acoustic Vehicle Alerting System (AVAS) for pedestrian protection in external areas can be adjusted to two levels: discreet and characterful. Instead of a purely technical warning noise, the GLC uses a carefully crafted and high-quality driving sound.

²⁶ Driver remains responsible to monitor the parking process and surroundings at all times.

Smooth: Perfect blend of ride comfort and agility

The new Mercedes-Benz GLC: Drivetrain; chassis; driver assistance systems; comfort; charging

- Drive system designed for efficiency and performance: high-performance electronics with silicon carbide inverters, 800-volt technology, rear two-speed transmission and front disconnect unit
- WLTP range of up to 715 kilometers²⁷; up to 305 kilometers range can be recharged in 10 minutes²⁸; battery featuring silicon oxide anodes and high energy density
- Optional AIRMATIC air suspension from S-Class with intelligent suspension control
- Optional rear-axle steering for reduced turning circle and enhanced driving stability
- One-Box braking system for confident, consistent brake pedal feel and powerful recuperation
- Standard multi-source heat pump contributes to efficiency and thermal comfort
- Extensive driver assistance systems; DIGITAL LIGHT with micro-LED technology; new steering wheel with improved ergonomics
- Center airbag and PRE-SAFE® as standard; proven high-voltage protection system
- New high-end seats; more user-friendly ENERGIZING COMFORT programs
- Intelligent navigation

Electric drive unit: powerful, efficient and exceptionally quiet

A two-speed transmission on the electric drive unit at the rear axle optimizes performance and efficiency. The first gear has a short ratio of 11:1, enabling swift acceleration, high towing capacity and efficiency in city driving. The second gear (ratio 5:1) is designed for power delivery at higher speeds and efficiency in highway driving for excellent long-distance comfort. The 130-mph electronically limited top speed is also achieved in second gear. Shift points are based on the driving situation and selected drive program.

Mercedes-Benz developed the rear electric drive unit, with its permanently excited synchronous motor design (PSM) at the rear, entirely in-house. Battery-to-wheel efficiency over long distances is 93 percent. A powerful drive unit at the front of the GLC 400 4MATIC Electric engages or disengages a disconnect unit (DCU) almost instantly depending on the driving situation. Both the front and rear electric drive units are equipped with high-performance power electronics with silicon carbide inverters for particularly efficient energy utilization.

In addition to an extremely rigid bodyshell, extensive sound insulation from the front structure to the rear section as well as decoupling elastomer mounts between suspension and body contribute to outstanding noise and vibration comfort. The drive units feature rotor magnets arranged in a double-V configuration, with stator windings using chorded coils. Both measures deliver exceptionally quiet yet efficient propulsion.

Recharge up to 305 kilometers of range in just ten minutes²⁸

One of the highlights of the new electric architecture is the 800-volt system. It maximizes efficiency and performance and can significantly reduce charging time in conjunction with the new generation battery.

²⁷ The actual range depends on numerous factors, such as individual driving style, environmental conditions, battery aging, auxiliary consumers such as air conditioning, optional equipment, tires, payload, and route profile, and may therefore differ from the WLTP value specified.

²⁸ The specified recharged range (WLTP) after 10 minutes was determined using the maximum DC charging power in accordance with ISO/SAE 12906 under the conditions described therein.

Up to 305 kilometers²⁹ of range can be recharged within 10 minutes according to WLTP. DC fast charging up to 330 kW is possible. A DC converter is equipped standard to enable charging at 400-volt DC fast charging stations.

New generation battery

The GLC 400 4MATIC features a lithium-ion battery with a 94-kWh usable capacity. The battery cells have anodes in which silicon oxide is mixed with graphite. The volumetric energy density of the cell chemistry is 680 Wh/l. The proportion of cobalt has been further reduced. The new generation battery has not only been optimized for efficiency, performance, cost and scalability, but was also developed with maintenance and repair in mind. The electronics/electrical unit is accessible and replaceable from below. This enables quick diagnosis and, if required, targeted replacement of electronic components – without the need for disassembly of the entire battery unit. Additionally, the battery cover is fastened with screws rather than adhesive. This design results in a clear advantage. The battery remains modular and service-friendly – a decisive factor for the long-term operation of electrified vehicles.

The high-voltage battery used in the new GLC is based on an intelligent modular and highly integrated battery architecture that was first introduced with the new CLA. This architecture developed by Mercedes-Benz allows the flexible deployment of high-voltage batteries for different vehicle types. This consistent modularization creates significant synergies in development, validation and logistics. The modular battery architecture also enables highly flexible manufacturing. High-voltage batteries for the CLA and GLC and future high-voltage batteries based on this architecture can be manufactured on the same production line.

Intelligent suspension

The optional Agility & Comfort Package introduces air suspension with intelligent suspension control and rear-axle steering to the new electric GLC. The intelligent suspension control features a new Car-to-X function³⁰, which provides significantly greater ride comfort. In certain driving situations, the body can oscillate harshly and the bump stops are reached abruptly. However, if the new Car-to-X function is activated, the GLC adjusts the damping electrically before the respective thresholds are reached. The increase in ride comfort is particularly noticeable for the rear-seat passengers. Mercedes-Benz has developed this function itself and applied for a patent.

The damping adjustment is based on Car-to-X information from a Mercedes-Benz vehicle driving ahead, which is transmitted in real-time to the Mercedes-Benz Intelligent Cloud and anonymized. “Car-to-X” denotes communication between vehicles and with traffic infrastructure. By leveraging the sensors of other cars, the technology significantly extends the coverage of the vehicle’s own radar and camera systems, effectively allowing the vehicle to “look around the corner.”

AIRMATIC air suspension with intelligent suspension control also operates intelligently for greater efficiency. Its ride height control uses Google Maps data to keep the vehicle as low as possible for as long as possible, reducing aerodynamic drag and thus energy consumption. Conventional ride-height systems respond solely to speed, raising the vehicle whenever, for instance, a construction zone or traffic jam causes the driver to slow down. The latest AIRMATIC system in the new GLC, however, “knows” that the car is still on the highway and continuously maintains the low ride-height setting.

²⁹ The specified recharged range (WLTP) after 10 minutes was determined using the maximum DC charging power in accordance with ISO/SAE 12906 under the conditions described therein.

³⁰ To be able to use the Car-to-X service, customers must have a Mercedes me ID and the vehicle must be paired with the corresponding user account. Only then will data be collected in the car, and the vehicle-related Car-to-X data will be transmitted to the backend and anonymized. Mercedes-Benz drivers can easily activate or deactivate the service via the user account in the Mercedes me portal or in the Mercedes-Benz app. There, they can also object to the transfer of data.

AIRMATIC with intelligent suspension control also allows the driver to raise the vehicle for increased ground clearance if necessary.

Optional rear-axle steering reduces the turning circle of the new GLC by 35.4 inches to 36.7 feet. Additionally, fewer turns of the steering wheel are needed from lock to lock. At speeds below 37 mph, the rear wheels steer opposite to the front wheels – by up to 4.5 degrees against the front-axle angle. The wheelbase is virtually shortened for more agile handling. Above 37 mph, the rear wheels turn up to 2.5 degrees in the same direction as the front wheels, virtually lengthening the wheelbase and delivering enhanced handling stability and safety in quick lane changes or sudden evasive maneuvers.

The suspension of the new GLC is based on a four-link axle at the front and a multi-link rear axle suspended on a center pivot.

Confident brake-pedal feel and excellent recuperation performance

The GLC features a new One-Box braking system. It ensures a consistent and confident brake-pedal feel at all times, regardless of whether braking is performed by recuperation or wheel brakes. The brake system combines the previously separate brake booster, master cylinder and ESP® control components in a single compact module.

To maximize efficiency, almost all braking is carried out via recuperation. Recuperation power up to approximately 300 kW is possible, allowing the GLC to brake electrically to a standstill and recover kinetic energy. Drivers can select four levels of recuperation: “D-” (maximum recuperation), “D” (standard recuperation), “D+” (no recuperation) and “D Auto” (intelligent recuperation). Recuperation via brake pedal application is always active.

In “D-,” drivers can enjoy “one-pedal driving”. When they take their foot off the accelerator pedal, the vehicle decelerates purely electrically and with up to 3.3 yd/s² with sufficient strength that the hydraulic brake system is not needed in over 99 percent of cases. The strong deceleration means more recovered energy and thus ultimately a longer range. Even in winter road conditions, recuperation is possible.

Standard multi-source heat pump: high thermal comfort in summer and winter

Even in winter, the electric GLC provides impressive thermal comfort. The upcoming model is equipped standard with an air-source heat pump, which provides cabin heating and uses around one third of the electrical energy of a comparable electric auxiliary heater. As a multi-source design, the heat pump can draw upon three energy sources in parallel: waste heat from the electric drive unit, the battery and ambient air. The heat pump forms part of the climate control system, which cools in summer and heats in winter.

Advanced Driver Assistance Technology

The all-new electric GLC comes as standard with a number of advanced driver assistance features³¹, including Digital Extra: Distance Assist DISTRONIC with Digital Extras: Restart Function, Route-Based Speed Adjustment and Speed Limit function³². The new GLC is equipped with up to ten cameras (eight standard), five radar sensors, twelve ultrasonic sensors and a water-cooled high-performance computer with sufficient power reserves for future functions and regular over-the-air updates.

³¹ Our driver assistance and safety systems are aids and do not relieve you of your responsibility as the driver. Please take note of the information in the Owner's Manual and the system limits which are described therein.

³² A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account.

Additional advanced driver assistance features are also available:

- **Digital Extra: MB.DRIVE ASSIST³³** complements standard Digital Extra: Distance Assist DISTRONIC with Digital Extras: Steering Assist and Lane Change Assist.
- **Digital Extra: MB.DRIVE ASSIST PRO³³** enables a seamless and safe point-to-point driving experience – even in dense city traffic. This will be offered in the U.S. at a later date.
- **Digital Extra: MB.DRIVE PARKING ASSIST 360^{33,34}**, included standard, features the Digital Extra: 360 Camera for new and enhanced surround view displays. In addition, the “transparent hood” function in the off-road menu offers an even better off-road view.

Brighter and more efficient: DIGITAL LIGHT with micro-LED technology

The new GLC is available with the next generation of DIGITAL LIGHT featuring micro-LED technology (“pixelated LED”) and a powerful processor. This increases the high-resolution illumination field by approximately 40 percent and enables a corresponding increase in brightness for the high beam as well as for road projections. At the same time, the lighting module consumes around 50 percent less energy than its predecessor. The weight of the headlamps has also been reduced by more than 25 percent compared with the previous version thanks to a more compact micro-LED design and the use of a single control unit. All software modules are integrated into the Mercedes-Benz Operating System (MB.OS) and have been developed in-house.

The Ultra Wide high beam is incorporated into the cornering light and provides a very wide light distribution for improved visibility. Thanks to combined camera information and map data, the cornering light reacts even more precisely to the road layout. The partial high-beam function is available on the GLC in the U.S. for the first time. It now operates even more robustly, as detection of poorly lit road users has been further improved.

Intuitive operation: New steering wheel brings back rocker and roller controls

The new steering wheel of the GLC offers improved ergonomics and intuitive control thanks to the combination of haptic and capacitive elements. In response to customer feedback, Mercedes-Benz has reintroduced a rocker switch for Digital Extra: Distance Assist DISTRONIC³³, along with a roller switch for volume control. The capacitive switch panels are seamlessly integrated and provide haptic tactile aids for better orientation. In addition, some functions have been removed from the control panel for a better overview and ease of use. As a result, the finger pad to control the driver display has been made significantly larger for ease of use.

Safety concept

The safety concept for the new GLC is based on an intelligently engineered bodyshell with an exceptionally rigid passenger cell. Crash structures made from a variety of steel alloys are designed to deform in a controlled manner, while the restraint systems – seat belts and up to eleven airbags – are precisely calibrated to this structure. In the event of a collision, systems for situation-specific occupant protection can be activated. These include the center airbag, which is now standard worldwide. It serves to avoid injuries caused by interaction between the driver and passenger in the event of a side-on collision. A knee bag is now also available for the passenger.

³³ A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account

³⁴ Driver remains responsible to monitor the parking process and surroundings at all times.

Included as standard, the PRE-SAFE® preventive occupant protection system can recognize critical driving situations at an early stage, provide warning and initiate precautionary protective measures. These include closing the windows and sunroof in critical situations before a potential impact and pre-tensioning the seat belts with reversible belt tensioners or moving the passenger seat into a more upright position.

Proven multi-stage, high-voltage protection system and advanced high-voltage-battery early warning system

In an electric vehicle, Mercedes-Benz pays particular attention to protecting the high-voltage system. All associated components, such as the battery, motors, high-voltage cables and connected components meet Mercedes-Benz's strict requirements.

In the new electric GLC, the battery housing is integrated into the vehicle structure as part of the crash concept. Moreover, Mercedes-Benz has taken comprehensive safety measures for the new generation high-voltage battery. These include appropriate spacing between cells and the construction of the cells and cell modules. The enhanced early-warning system alerts occupants and also initiates further vehicle protection measures within the vehicle including automatically closing side windows and ventilation flaps. A new sensor positioned centrally in the high-voltage battery monitors the modules even when the vehicle is switched off.

In the all-new GLC, Mercedes-Benz has also employed its safety concept with elements of high-voltage safety. This ensures that there is no danger from electrical components to occupants, first responders or emergency services in the event of a collision. This concept is already proven in other all-electric Mercedes-Benz models – validated by Mercedes-Benz Accident Research. The high-voltage system automatically disconnects in the event of a severe collision, with a distinction made between reversible and irreversible shutdown.

Reversible shutdown occurs in minor accidents in which restraint systems such as airbags are activated. Restart of the vehicle is only possible once the vehicle's high-voltage monitoring systems can confirm that all components are functioning properly. Only in serious accidents in which additional restraint systems for the occupants are also activated is the high-voltage system irreversibly shut down. Irreversible means that only a specialist workshop can reactivate the vehicle.

During an automatic shutdown, the controlled discharge of components ensures these pose no danger. Designated cut-off points allow first responders to manually de-energize the high-voltage system.

New high-end seats for even greater comfort

The new seat designs transform every journey into a relaxing experience and ensure that the driver and passengers arrive refreshed, even after long drives. All available seats are certified with the German AGR seal from "Aktion Gesunder Rücken" (Organization for Healthy Backs). Memory-function seat adjustment and front-seat heating is standard. Comfort and sport seats are now more clearly differentiated. The optional sport seat with integral design features higher side bolsters for enhanced lateral support.

Both seat types incorporate secondary materials throughout their construction – the seat foam contains around 30 percent recycled content using the mass-balance approach. For the comfort seats, Mercedes-Benz also offers MB-Tex upholstery with a backing textile made from recycled PET bottles. These bottles go through a regranulation process and are spun into yarn and woven into a textile.

ENERGIZING COMFORT: The new GLC offers wellness on every journey

Soothing sounds, energizing massage, activating light – with the diverse optional ENERGIZING COMFORT programs. The display animations on the available MBUX Hyperscreen and the sounds (3D and 4D) have been further refined, so that the full potential of ENERGIZING COMFORT is now unleashed. Long commutes and traffic jams are seamlessly transformed into unique moments for mental and physical recovery.

ENERGIZING seat kinetics support the body's musculature with gentle movements in the tilt of the seat cushion and backrest. The relaxation program includes a massage function that is generated by pulsating air chambers in the seat's lumbar region. With the optional Pinnacle Plus Package, an extended relaxation massage function along the entire seatback is offered.

Additionally, the user interface and user experience have been revamped to be even more intuitive. The newly designed ENERGIZING COMFORT programs now appear as a dedicated app in the app grid and give users the option to deactivate the ENERGIZING sounds, allowing them to enjoy the programs alongside their own music or podcasts.

These ten-minute ENERGIZING COMFORT programs are available depending on the vehicle's optional equipment: Fresh Breeze (refreshment), Warm & Cozy (warmth), Energy (stimulation), Good Vibes (regeneration) and Relax (relaxation). In addition, the 15-minute Power Nap program is offered.

Emotional Modes: For a moment of reflection

A crackling campfire, impressively staged on the large display of the optional all-new MBUX Hyperscreen, or a lively aquarium with darting fish and circling sharks – in the GLC, for the first time, Emotional Modes can be selected when the vehicle is stationary. It offers a holistic experience by activating vehicle functions relevant to the chosen Emotional Mode (for example, heating with the open-fire mode).

Digital charging solutions networked with the electric vehicle

MB.CHARGE forms the umbrella for all digital charging solutions from Mercedes-Benz. The comprehensive charging ecosystem is designed to offer customers a seamlessly connected and convenient charging experience with the electric vehicles with the three-pointed star – on the road, at home and at work.

With Digital Extra: MB.CHARGE Public³⁵ (previously Mercedes me Charge), Mercedes-Benz bundles all public charging functions and offers customers numerous exclusive benefits. With just one charging contract³⁵, customers have access to one of the world's largest charging networks and can charge in the usual user-friendly way – regardless of the charging-station operator. In the electric GLC, authentication at the charging stations takes place via the Mercedes-Benz app, the MB.CHARGE Public RFID card or directly via Plug & Charge³⁶ at participating operators. Each charging process is automatically billed via Digital Extra: MB.CHARGE Public. Mercedes-Benz also makes maximum cost transparency at public charging stations possible. Before charging, users can view the specific costs per mile hour or per minute as well as the expected total costs for a full charge on the MBUX display or in the Mercedes-Benz app.

³⁵ A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account

³⁶ With Plug & Charge, the charging process starts when the charging cable is plugged in. The vehicle communicates the charging contract data directly to the charging station. The prerequisite is an MB.CHARGE Public charging contract, which is used for billing.

Convenient reservation of charging stations and intelligent navigation

As the first car manufacturer to do so, Mercedes-Benz has introduced an automated reservation function³⁷ for Mercedes-Benz charging hubs. With active route guidance via Digital Extra: Navigation with Electric Intelligence³⁸, the vehicle automatically makes the reservation 15 minutes before reaching the charging station. Thanks to the reservation function, drivers can avoid waiting times and have the assurance that a charging space reserved exclusively for them will be available. The reservation function is currently available at select Mercedes-Benz charging hubs in Germany and the U.S.

MBUX Navigation with Electric Intelligence plans the fastest and most comfortable route – including charging stops – based on numerous factors. It reacts dynamically, for example, to traffic jams or changes in driving style. Mercedes-Benz is also continuously refining the energy-usage forecast for Navigation with Electric Intelligence so that predicted wind conditions along the route will be accounted for in future even more precisely according to vehicle height.

When calculating a route, the system computes the energy requirement by taking into account topography, route profile, ambient temperature, speed and heating/cooling demand. Additional factors include traffic along the planned route, as well as available charging stations and charging capacity. As a new feature, the energy prediction also considers additional weather information such as precipitation and snow on the road. The calculation takes place in the cloud and is combined with onboard data.

The intelligent navigation detects when a charging stop is required and plans it automatically to optimize overall journey time – for instance, two shorter stops at a higher charging speed can sometimes be more advantageous than one longer stop. Moreover, Navigation with Electric Intelligence automatically adjusts the vehicle's charging settings for maximum fast-charging performance along the route – including pre-conditioning the high-voltage battery to reach its ideal temperature for DC fast charging at exactly the right moment.

Renewable Charging: Mercedes-Benz consistently relies on electricity from renewable sources

“Renewable Charging”³⁹ is an integral component of Digital Extra: MB.CHARGE Public in Europe, Canada and the U.S. If electricity from renewable energy sources is not yet available at the respective charging station, Renewable Charging uses Energy Attribute Certificates (including EKOenergy eco label). These ensure an equivalent amount of electricity from renewable energy sources is fed into the power grid for charging processes via MB.CHARGE Public. These are from wind and solar power plants that are less than six years old are used.

³⁷ The reservation function is currently available at select Mercedes-Benz charging stations in Germany and the USA. Mercedes-Benz is initially offering the reservation option free of charge as part of MB.CHARGE Public. Mercedes-Benz reserves the right to charge for the reservation in the future.

³⁸ A personal Mercedes me ID and agreement to the Terms of Use for the Mercedes-Benz Digital Extras are required to use the services. In addition, the vehicle must be paired with the corresponding user account.

³⁹ Renewable Charging uses certificates of origin to ensure that for all charging processes an equivalent amount of electricity from renewable energies is fed into the energy grid.

Iconic, versatile, intuitive and smooth: The all-new electric GLC catapults a bestseller into a new era

The **elevated design language** of the all-new electric GLC redefines the face of Mercedes-Benz for a new era with an iconic illuminated high-tech grille.

The **panoramic roof** with optional SKY CONTROL switchable glass and ambient lighting that illuminates 162 stars in the night sky brings a new level of elegance.

An impressive **towing capacity up to 5,291 lbs** combined with even more interior space for outstanding versatility.

The all-new GLC's benchmark intelligence is powered by the AI-driven **MB.OS supercomputer** for a more intuitive, immersive experience.

The stunning optional **all-new MBUX Hyperscreen** with 39.1-inch seamless display is the largest continuous screen in a Mercedes-Benz to date. It takes the unique "Welcome Home" feeling to a new level.

The optional **Vegan Package** features elegant interior materials certified by The Vegan Society – a world-first.

The **One-Box braking system** contributes to the unparalleled driving experience. It offers exceptionally smooth, consistent and confident deceleration, whether via regenerative braking or wheel brakes.

The **MB.DRIVE systems** utilize up to ten external cameras, five radar sensors and twelve ultrasonic sensors to offer first-class performance from the advanced driving assistance systems⁴⁰.

Optional **intelligent air suspension from the S-Class and rear-axle steering** further elevates the all-new GLC with supreme ride comfort and exceptional agility.

Charging is even more seamless and intuitive with the **automated reservation function**⁴¹ for charging stations as part of Digital Extra: MB.CHARGE Public⁴².

⁴⁰ Our driver assistance and safety systems are aids and do not relieve you of your responsibility as the driver. Please take note of the information in the Owner's Manual and the system limits which are described therein.

⁴¹ The reservation function is currently available at select Mercedes-Benz charging stations in Germany and the USA. Mercedes-Benz is initially offering the reservation option free of charge as part of Digital Extra: MB.CHARGE Public. Mercedes-Benz reserves the right to charge for the reservation in the future.

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About Mercedes-Benz USA

Mercedes-Benz USA (MBUSA), headquartered in Atlanta, is responsible for the distribution, marketing and customer service for all Mercedes-Benz products in the United States. MBUSA offers drivers the most diverse lineup in the luxury segment with 18 model lines ranging from the sporty GLA SUV to the flagship S-Class and the dynamic all-electric vehicles from Mercedes-Benz. MBUSA is also responsible for Mercedes-Benz Vans in the U.S. More information on MBUSA and its products can be found at www.mbusa.com and www.mbvans.com. To learn more about all Mercedes-Benz entities in North America, visit group.mercedes-benz.com/northamerica.

Accredited journalists can visit our media site at media.mbusa.com.

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