



Mercedes-Benz

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The GELÄNDEWAGEN. Electrified.

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The all-new electric G-Class at a glance

The all-new Mercedes-Benz G 580 with EQ Technology represents a unique fusion of tradition with progressive technology. It features a robust ladder frame design, selectable LOW RANGE off-road gear reduction, independent front suspension and solid rear axle.

The 116-kWh high-voltage lithium-ion battery integrated into the ladder frame ensures a low center of gravity. To protect it from water and dirt intrusion, it is housed in a torsion-resistant casing.

Underbody protection made from an intelligent mix of materials including carbon protects the battery.

The all-new electric G-Class is powered by four individually controlled electric motors located near the wheels. These are integrated into the ladder frame and develop a combined output of 579 hp and 859 lb-ft of torque.

The all-new electric G-Class includes virtual differential locks through torque vectoring.

The innovative drive concept of the all-new electric G-Class enables unique functions for off-road driving: G-TURN, G-STEERING and the intelligent off-road crawl function.

The G-ROAR sound experience includes a G-Class-specific driving sound, an “aura” and various “event” sounds.

A slightly raised hood, new A-pillar trim, spoiler lip on the roof strip and flared rear wheel arches featuring “air curtains” contribute to optimized aerodynamics and interior aeroacoustics.

A redesigned off-road control center, new OFFROAD COCKPIT and “transparent hood” function enable a digital off-road experience.

The MBUX (Mercedes-Benz User Experience) infotainment system with 12.3-inch driver display and 12.3-inch central multimedia display with touch control are equipped standard.

Advanced safety and assistance systems support drivers.

The EDITION ONE is an exclusive special model available at launch, featuring expanded standard equipment and unique design elements.

The GELÄNDEWAGEN. Electrified: All-new Mercedes-Benz G 580 with EQ Technology impresses with uncompromising off-road capability

- The all-new electric G-Class: iconic design meets unparalleled technology
- Off-road capability enters the electric age and opens up unimagined possibilities
- MANUFAKTUR range offers almost limitless opportunities for customization

Stuttgart/Graz. With the all-new Mercedes-Benz G 580 with EQ Technology, the brand with the three-pointed star presents the first fully electric variant of its off-road icon. It represents a unique fusion of tradition and progressive technology. The all-new electric G-Class features the distinctive silhouette and unmistakable design elements of the model series. The development team has modified and reinforced the robust ladder frame to integrate the electric drive. It is fitted with independent double wishbone front suspension and a newly developed solid rear axle. The high-voltage lithium-ion battery with a 116-kWh usable capacity is integrated into the ladder frame to ensure a low center of gravity.

“Throughout its more than 45-year history, the G-Class has always used the most modern drive technology available. So, it’s entirely fitting that the innovative drive concept with four individually controlled electric motors once again raises the legendary performance of our off-road icon to a new level. It even retains that familiar angular silhouette and is true to the character of our beloved ‘Geländewagen’.”

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

The all-new electric G-Class sets new standards off-road

The four individually controlled electric motors located near the wheels develop a combined output of 579 hp. Together with the selectable LOW RANGE off-road gear reduction, these enable unique driving characteristics and exclusive functions. This allows the G-TURN to rotate the vehicle on the spot on loose or unpaved surfaces. The G-STEERING function can deliver a significantly smaller turning circle when driving off-road. The intelligent off-road crawl function with three available settings supports off-road driving by maintaining optimum propulsion, allowing the driver to focus on navigating difficult terrain.

The all-new Mercedes-Benz G 580 with EQ Technology has the ability to climb up to a 100 percent grade on suitable surfaces, offers high stability on lateral slopes of up to 35 degrees and a maximum fording depth of 33.5 inches – 5.9 inches more than the G 550 and AMG G 63. The LOW RANGE off-road gear reduction increases torque at the wheels during off-road driving. Off-road capability is further elevated with virtual differential locks through intelligent torque vectoring. G-ROAR brings a unique sound experience to the electric G-Class with an exclusive driving sound, an “aura” sound and a variety of “event” sounds.

The all-new G 580 with EQ Technology continues the tradition of the design icon

The all-new electric G-Class is immediately recognizable as part of the enduring model series. A number of design elements set the all-electric model apart from the G 550 and AMG G 63, including a slightly raised hood and flared rear wheel arches with air curtains. These contribute to the vehicle’s optimized aerodynamics, in combination with new A-pillar cladding and a spoiler lip on the roof edge. An optional black panel radiator grille, exclusive to the G 580 with EQ Technology, is also available to further sharpen the striking electric exterior.

Extensive standard equipment, additional features and digital off-road experience

The all-new Mercedes-Benz G 580 with EQ Technology is equipped standard with the MBUX infotainment system (Mercedes-Benz User Experience), a multifunction steering wheel in Nappa leather, Burmester® 3D Surround Sound System, “transparent hood” function, KEYLESS-GO and 64-color ambient lighting, among many other features. The redesigned off-road control center and new OFFROAD COCKPIT enhance the off-road driving experience with additional digital functions.

Electric drive

- **Innovative individual-wheel drive concept delivers 579 hp and 859 lb-ft**
- **Virtual differential locks via torque vectoring**

With four individually controlled electric motors close to the wheels, the all-new electric G-Class offers a unique driving experience both on- and off-road. It is the first series production vehicle from the Mercedes-Benz Group with individual-wheel drive. The four motors are integrated in the ladder frame – two in each housing at the front and rear axles. These are driven via short axle shafts, meaning the rear electric motors can also be bolted to the chassis. Each electric motor produces 145 hp, which deliver a combined 579 hp and 859 lb-ft of torque. In conjunction with ESP® and the central powertrain control (CPC), drive torque is intelligently distributed to optimize traction.

With its innovative drive concept, the Mercedes-Benz G 580 with EQ Technology accelerates from 0 to 60 mph in 4.6 seconds. Top speed is electronically limited to 112 mph. With peak torque from the electric motors available from a standstill, the all-electric G-Class excels with impressive power and exceptional control. This is especially advantageous on steep inclines and loose surfaces.

Virtual differential locks

The all-new electric G-Class uses torque vectoring to generate virtual differential locks. This technology makes it possible to precisely meter torque to each individual wheel. As torque builds exactly where needed within fractions of a second, the electric G-Class holds a clean, confident line even on the most challenging terrain.

The virtual differential locks enable fully variable torque distribution among the individual wheels for traction with maximum flexibility without negatively impacting cornering. The all-new electric G-Class thus remains agile and maneuverable at all times, including when the virtual differential locks are active. Control of the virtual differential locks is fully automatic, eliminating the need to manually engage them via switches in the off-road control center.

Battery

- Lithium-ion battery in the all-new G 580 with EQ Technology consists of twelve cell modules
- Specially developed underbody guard meets highest requirements
- ECO Assistant and Navigation with Electric Intelligence support electric driving

At the heart of the all-new electric G-Class is the high-voltage battery with a 116-kWh usable capacity. The two-tiered lithium-ion battery with 216 cells is installed in twelve cell modules between three cooling levels. It is integrated into the steel ladder frame to ensure a low center of gravity and also makes the entire vehicle significantly more rigid. The battery is housed in a torsion-resistant casing to protect it from water and dirt intrusion during off-road driving.

Charging components and functions

Both AC and DC charging are possible thanks to a 9.6-kW on-board AC charger and a DC fast charging system with a charging capacity of up to 200 kW. With DC fast charging, the high voltage battery is able to charge from 10 to 80 percent SoC (State of Charge) in approximately 32 minutes.

The all-new electric G-Class includes three charging programs – “Standard,” “Work” and “Home.” Users can set parameters such as departure time, climate control and maximum charge level. The “Home” and “Work” charging programs can be activated automatically based on location, which switch on as soon as the vehicle is parked at a saved charging location. Drivers are notified via MBUX that the charging program is active.

Energy recovery via recuperation

The recuperative drive system in the G 580 with EQ Technology is able to convert the vehicle’s kinetic energy into electrical energy when coasting and braking. Depending on the recuperation level selected, the electric motors function as generators and charge the high-voltage battery while driving. Recuperation when coasting starts as soon as the driver takes their foot off the accelerator pedal. The driver can select five different levels of recuperation using the steering wheel shift paddles:

- D^{Auto}: the vehicle automatically adjusts the level of recuperation according to driving situation and traffic ahead. The ECO Assistant indicates in the driver display when the driver should take their foot off the accelerator pedal and the vehicle then selects the appropriate level of recuperation.
- D⁺: no recuperation – the vehicle coasts freely.
- D: normal recuperation
- D⁻: strong recuperation with increased deceleration during coasting
- D⁻: highest level of recuperation with maximum deceleration during coasting

Multi-stage high-voltage safety concept

Mercedes-Benz has developed a multi-stage high-voltage protection concept for its electric vehicles to prevent electric shocks and high-energy short circuits. It comprises eight essential elements for the safety of the battery and all components with a voltage level of more than 60 volts. This includes, for example, a self-monitoring high-voltage system that switches off automatically in the event of a serious collision.

Special underbody protection

Underbody protection is essential for an off-road vehicle. The all-new electric G-Class is no exception. The battery and other important components must have sufficient protection from stones, dust and sand. A high level of protection was the main focus during development of the skid plate, in addition to crash safety, aerodynamics and aeroacoustics.

The underbody protection is made from an intelligent material mix that includes carbon for increased rigidity compared to steel or aluminum. It also offers greater corrosion protection and significant weight saving. The

robust underbody panel is one inch thick, attached to the ladder frame with more than 50 steel fasteners and weighs 127 lbs. A comparable steel component would be approximately three times heavier. A thin layer of stone-chip protection is also applied to the underside.

Support for electric driving: the ECO Assistant

The ECO Assistant analyzes navigation data along the expected route to help the driver adapt their driving style to maximize efficiency and recuperation. The system can recognize upcoming events such as a roundabout, sharp turn or change in speed limit, as well as traffic ahead. As the electric G-Class approaches an event, the ECO Assistant calculates the optimum speed. If an adjustment in driving style is necessary, it provides the driver with a visual prompt to lift off the accelerator pedal. The ideal recuperation level is automatically selected based on the driving situation.

Navigation with Electric Intelligence

Navigation with Electric Intelligence plans the fastest and most convenient route based on numerous factors, including charging stops. It calculates the energy required for journeys, taking into account topography, route, ambient temperature, speed as well as heating and cooling requirements. It also dynamically adapts to the traffic situation or changes in driving style. Drivers also have the option of customizing the planned route.

Navigation with Electric Intelligence also considers available charging stations, charging capacity and payment functions and calculates the estimated cost of a charging stop. The charging stops are planned with consideration for the overall travel time. Under certain circumstances, two short charging stops with a higher charging capacity can be more advantageous than charging once for a long period of time. In addition, Navigation with Electric Intelligence automatically adjusts the vehicle's charging settings and optimizes them for fast charging along the route. Customers can add preferred charging stations to a route or exclude proposed charging stations. MBUX also displays whether the available battery capacity is sufficient to return to the starting point without charging.

If there is a risk of not reaching the destination or a charging station with the selected settings, the active range monitoring function recommends activation of ECO driving functions. It also calculates the exact driving speed required to reach the next charging station or destination as planned. In the "Range" menu, drivers can switch off various energy consuming functions to help maximize range and activate the ECO driving functions to support a more efficient driving style.

Suspension and drivetrain

- **Modified ladder frame concept and newly developed solid rear axle**
- **ELECTRIC DYNAMIC SELECT: drive programs for a variety of driving situations**
- **Shiftable two-speed transmission with LOW RANGE off-road gear reduction**

The all-new electric G-Class brings the off-road capability of the G-Class into the era of electric mobility. In certain areas, the G 580 with EQ Technology even surpasses the G 550 and AMG G 63 – in fording depth, for example. The ladder frame has been modified and reinforced for the electric model, retaining the combination of independent double wishbone front suspension and solid rear axle. The rear axle is a De Dion design and has been completely redeveloped. The electric motors are attached to the ladder frame and connected to the wheels via dual-joint driveshafts. The advantage of this design is camber does not change during compression. Double-universal-joint driveshafts transfer drive propulsion and incorporate slip joints to equalize the length.

The off-road specs speak for themselves:

- Ability to climb up to a 100 percent grade on suitable surfaces
- 9.8 inches of ground clearance between axles
- Maximum fording depth of 33.5 inches
- High stability on lateral slopes of up to 35 degrees
- 32-degree approach angle, 30.7-degree departure angle and 20.3-degree breakover angle

Adaptive adjustable dampers are fitted standard. The active dampers better compensate for uneven road surfaces or terrain for even more control during on- and off-road driving. With roll and pitch stabilization, the system continuously regulates the damper characteristics depending on the driving situation and reduces body movements. The components of the adaptive adjustable damping system are designed to withstand extreme off-road conditions such as surging water, mud, sand and dirt.

ELECTRIC DYNAMIC SELECT: additional drive program for increased efficiency

The driving experience of the all-new electric G-Class can be adjusted at the touch of a button. ELECTRIC DYNAMIC SELECT adjusts parameters for the motors, transmission, suspension, ESP® and steering depending on the drive program. Drivers can choose between the “Comfort,” “Sport” and “Individual” programs for on-road driving. The “Comfort” program is the default setting in which drive power is distributed primarily to just one axle to optimize efficiency. “Trail” and “Rock” programs tailored for off-road driving are also available and can be selected via the ELECTRIC DYNAMIC SELECT switch on the center console.

LOW RANGE off-road gear reduction

The all-new Mercedes-Benz G 580 with EQ Technology features a selectable LOW RANGE off-road gear reduction as standard. The electric motor for each wheel is equipped with an individual transmission, which is centrally shifted and enables the four motors to operate independently. Each axle is fitted with two electric motors, two transmissions and a double inverter in a shared housing. This configuration facilitates the off-road gear reduction and ensures maximum torque and consistent temperature management.

In the “Rock” drive program, drivers can activate LOW RANGE via the off-road control center. This activates a gear reduction ratio of 2:1, which increases the drive torque. Handling and response characteristics are then optimized for off-road excursions on rugged terrain, including steep ascents and descents. Top speed is restricted to 53 mph. The intelligent off-road crawl function is also always active when LOW RANGE is engaged.

Exclusive off-road functions, unique sound experience and digital off-road experience

- **G-TURN, G-STEERING and intelligent off-road crawl function: advanced drive concept and shiftable transmissions enable unique driving characteristics**
- **G-ROAR: sound experience for the all-new electric G-Class**
- **New OFFROAD COCKPIT and “transparent hood” function for a digital off-road experience**

The innovative drive concept in the all-new electric G-Class enables exclusive functions for off-road driving.

Exclusively for the all-new electric G-Class: G-TURN, G-STEERING and intelligent off-road crawl function

With G-TURN¹, the electric G-Class can rotate on the spot. The vehicle performs up to two complete turns in the desired direction on unpaved or loose off-road surfaces. This not only looks spectacular but can also be helpful when driving off-road – for example, if an obstacle ahead makes it impossible to continue forward. The four independently driven wheels can rotate the vehicle to the left or right as required. To accomplish this, the wheels on the right and left side of the vehicle turn in opposite directions. To start the function, the vehicle must be stationary on a level surface with the doors closed, front wheels positioned straight-ahead, and brake pedal depressed. In addition, the “D” transmission setting must be engaged, “Rock” drive program selected, and LOW RANGE off-road gear reduction engaged. Only then can drivers activate the function using the corresponding button on the off-road control center. The desired direction of rotation is selected by pulling and holding the left or right steering wheel shift paddle. To start the G-TURN, the driver must then hold the steering wheel, release the brake pedal and press the accelerator pedal. After two complete revolutions, G-TURN is automatically deactivated. Drivers can also cancel the function manually at any time by releasing the steering wheel shift paddle or lifting their foot off the accelerator pedal.

G-STEERING can significantly reduce the turning circle of the G 580 with EQ Technology when driving off-road¹. This is achieved through targeted control of the drive torque at each individual wheel, with the vehicle turning around the inside rear wheel. The function can thus eliminate the need for multi-point turns in certain situations – for example in sharp bends or other tight spaces. Drivers can activate G-STEERING by pressing the corresponding button on the off-road control center when the “D” transmission setting is engaged, “Rock” drive program is selected, and LOW RANGE off-road gear reduction is switched on. This function is active up to 15 mph.

The intelligent off-road crawl function² provides drivers with additional support off-road. It ensures ideal propulsion even on loose surfaces, maintaining a pre-set speed – and thus functions in a manner similar to cruise control, but for off-road driving. This allows drivers to concentrate on the optimum driving line and any obstacles without having to simultaneously balance brake and accelerator input. The function can be overridden by the driver at any time through application of the brake or accelerator pedal.

The intelligent off-road crawl function is always active when the LOW RANGE off-road gear reduction is engaged. Drivers can select the target speed in three levels using the steering wheel shift paddles. The current status is shown on the driver display. The following crawl speeds are available:

- **Slow crawl:** the vehicle maintains a speed of approximately 1 mph uphill, downhill or on level terrain.
- **Variable crawl:** the vehicle maintains walking speed on uphill and level terrain. On 10-20 percent downhill grades, drivers can use the accelerator pedal to increase the target speed to approximately 9 mph and use the brake pedal to again reduce it to walking speed.

¹ It is not permissible to use G-TURN and G-STEERING on public roads. Use G-TURN and G-STEERING only on loose or soft surfaces, e.g. gravel or snow.

² The intelligent off-road crawl function is only an aid. The driver is responsible for maintaining a sufficient distance from the vehicle in front or from obstacles.

- **Fast crawl:** the vehicle maintains a speed of approximately 5 mph on uphill and level terrain. Downhill, the intelligent off-road crawl function slows the vehicle via recuperation depending on the grade, but the vehicle is not limited to a target speed.

G-ROAR: the sound of the all-new electric G-Class

G-ROAR brings a unique sound experience to the Mercedes-Benz G 580 with EQ Technology. Inspired by the G-Class model family's emotional combustion engine sounds, it provides an impressive acoustic accompaniment to the acceleration of the electric G-Class. Deep bass and sonorous tones deliberately set it apart from the sound experience of other all-electric models from Mercedes-Benz. Drivers can influence the sound with their choice of ELECTRIC DYNAMIC SELECT drive program. While it's rather restrained in "Comfort," for example, it develops a powerful and emotional sound in "Sport."

G-ROAR also includes an "aura" sound and a variety of "event" sounds. The "aura" sound can already be heard around the vehicle when drivers approach the electric G-Class and unlock the doors. The "event" sounds can be heard when closing the vehicle door after ingress, switching the motors on and off, and upon opening the door at the end of a journey. After exiting the vehicle, the "aura" sound can be heard again – for up to one minute, or until the vehicle is locked. G-ROAR also provides acoustic feedback to the start of the charging process.

New OFFROAD COCKPIT

Drivers can access the new OFFROAD COCKPIT directly via the off-road control center. An overview of the most relevant information for off-road driving as well as functions to support off-road driving are shown on the driver and multimedia displays. Content is displayed in various tiles, which can be changed using the direction arrows or swiping. There are also buttons for quick access to certain vehicle functions and information relevant for off-road driving. These include the artificial horizon, compass, altitude, steering angle, torque as well as tire pressure and temperature.

"Transparent hood" function

In conjunction with the 360-degree camera, the "transparent hood" function provides a virtual view of under the front of the vehicle to enable the driver to better recognize obstacles in the vehicle's path. The function also helps drivers to properly assess crests, embankments and hollows that may no longer be visible through the windshield, if the angle is too steep. The "transparent hood" can be conveniently activated via a button on the off-road control center or via the off-road menu in the central multimedia display.

Design and equipment

- **Iconic, timeless design: electric model maintains G-Class DNA**
- **Distinct design elements improve aerodynamics and acoustic comfort**
- **EDITION ONE: exclusive model at launch with expanded standard equipment**

The all-new electric G-Class combines the unmistakable look of the iconic model series with select design elements exclusive to electric vehicles. It features the distinctive angular silhouette of the model series, along with many signature G-Class details such as the distinctive door handles and prominent indicator lights.

Even at front, the Mercedes-Benz G 580 with EQ Technology is instantly recognizable with its classic round headlights. The radiator grille has four horizontal louvers. The radiator grille panel and exterior mirror housings are finished in body color as standard. An optional black panel radiator grille with tinted lighting elements, an animated LED light band and chrome surround is also available. When locking and unlocking the vehicle, “Welcome home” and “Leaving home” animations impress. When the front doors are open, the standard ambient lighting projects the brand logo onto the ground at the entry points.

Distinctive design elements contribute to optimized aerodynamics

A slightly raised hood and flared rear wheel arches with “air curtains” are among the other design elements that characterize the all-electric model. Together with new A-pillar cladding and a spoiler lip on the roof edge, these contribute to the vehicle’s optimized aerodynamics. In combination with new insulation materials, acoustic comfort has also been improved. Aerodynamically optimized alloy wheels are fitted standard.

Adaptive MULTIBEAM LED headlights are also included as standard. Thanks to intelligent lighting functions, these illuminate the road according to the situation with 84 individually controlled high performance LEDs. Heat insulating dark tinted glass is utilized for the rear side windows and rear window. Silver EQ badges on the front fenders indicate the vehicle’s all-electric powertrain.

Another unique feature is the rectangular Design Box on the rear door – fitted standard. Items such as a charging cable, tools or snow chains can be easily stowed. It also includes a Velcro strap and two cargo nets (one in the door and one in the box itself).

The interior: typical G-Class design; extensive standard equipment

The interior of the all-new electric G-Class combines impressive quality with classic design. Round climate control vents and the grab handle for the front passenger are signature G-Class elements. The latest generation multifunction steering wheel with touch controls in Nappa leather is offered standard, in addition to climate-controlled cupholders, 64-color ambient lighting, and much more.

MBUX infotainment system: intuitive operation, adaptive software and intelligent voice assistant

The G 580 with EQ Technology is equipped standard with the MBUX infotainment system, a 12.3-inch driver display and 12.3-inch multimedia display with touch control. The display and operating concept use adaptive software to make personalized suggestions for numerous infotainment, comfort and vehicle functions. Smartphone integration via Android Auto® or Apple CarPlay™ is also possible. USB-C ports enable connections to other mobile devices.

The voice assistant capable of dialogue and learning is also available with MBUX. Certain actions can now be triggered without saying “Hey Mercedes.” Approximately 20 new voice commands were created exclusively for use in the new G-Class. MBUX Augmented Reality for Navigation can help drivers find their way even in complex traffic situations by superimposing graphic navigation and traffic information onto live images on the central multimedia display. At traffic lights, it also shows the current traffic light color to assist the driver when visibility of the signal is restricted.

Optional and standard features for added convenience

Additional equipment further enhances comfort and convenience, including standard wireless charging for mobile devices. The optional MBUX High-End Rear Seat Entertainment System features two integrated 11.6-inch touch displays for passengers to watch movies, browse the internet, access trip information, and more. Passengers can also play their own media via various interfaces, as well as move content interactively from the rear seat displays to the central display up front.

With standard KEYLESS-GO®, the doors and tailgate of the electric G-Class can be unlocked and locked simply by touching the door handle. There is no need for the vehicle key to be in hand – it can remain in the driver's pocket or bag. The vehicle can also be started conveniently at the touch of a button when the key is placed inside the vehicle with the driver.

An optional dashcam³ can film the traffic in front of the vehicle and record time and speed. This allows drivers to document an accident, for example, or capture scenic routes and landscapes. Video playback is possible on the central multimedia display when the vehicle is stationary or on an external device.

The Burmester® 3D Surround Sound System, equipped standard, includes the immersive Dolby Atmos® audio experience. It gives music more space, clarity and depth and transforms the new electric G-Class into a concert hall on wheels. An additional, illuminated speaker is integrated into the headliner. The amplifier features six additional channels to enable better frequency separation and sound positioning.

Individualization for exterior and interior

The all-new electric G-Class gets a decidedly sporty touch in combination with the standard AMG Line. Among other things, its dynamic appearance is characterized by flared wheel arches, 20-inch AMG 10-spoke alloy wheels, running boards, brake calipers with “Mercedes-Benz” lettering and stainless steel illuminated door sill panels. Inside, the standard multifunction sports steering wheel in Nappa leather with flattened bottom and touch controls, as well as steering wheel trim and shift paddles in silver chrome further contribute to the dynamic appearance.

The optional Night Package and Night Package Magno sharpen the look of the electric G-Class with sporty and expressive design elements, including tinted indicator lights and black aerodynamically optimized wheels. Depending on the paint color of the vehicle, the exterior mirror housings are finished in Obsidian Black or MANUFAKTUR Night Black Magno. The Night Package Plus adds further details in high-gloss black. These include the Mercedes star at the front and rear, “G 580” model badge at the rear and EQ badging on the fenders.

The Exclusive Interior Package, included standard, enhances the interior of the G 580 with EQ Technology with elegant details such as Nappa leather upholstery and ambient lighting for the climate control vents. It also includes contrast stitching for the seats, instrument panel, grab handle, door panel inserts and rear door panel insert. The available MANUFAKTUR Interior Package Plus elevates the interior with upholstery in Nappa leather with diamond quilting and the Seat Comfort Package with active multicontour front seats with massage.

Expanded MANUFAKTUR range

The expanded MANUFAKTUR range provides G-Class owners with extensive personalization options. These include exclusive paint colors, as well as exterior and interior elements like spare wheel ring, seat trim, decorative stitching, and much more. When choosing exclusive color combinations, individual contrasts and materials, the possibilities are nearly endless.

³ When using the dashcam and saving video material, please observe the data protection regulations.

MANUFAKTUR Catalana Beige/Black two-tone Nappa leather upholstery is available for the first time. In addition, a grab handle with “MANUFAKTUR” lettering and trim is available in combination with MANUFAKTUR upholstery. The MANUFAKTUR Interior Package and MANUFAKTUR Interior Package Plus are also available for the electric G-Class, which extends Nappa leather throughout the interior – from the headliner to the cladding of the A, B, C and D pillars through to the seat backrest.

EDITION ONE: exclusive special edition at launch

The all-new Mercedes-Benz G 580 with EQ Technology will be offered at launch in the EDITION ONE special edition, available for 2025 model year only. The special model is available in five paint finishes: MANUFAKTUR South Sea Blue Magno, MANUFAKTUR Moonlight White Magno, MANUFAKTUR Moonlight White Metallic, MANUFAKTUR Arabian Grey and Obsidian Black Metallic. Among the vehicle’s unique details is a distinctive blue trim strip insert in the exterior protective molding. The brake calipers are also painted blue and feature Mercedes-Benz lettering at the front. The Design Box on the rear door is finished in body color and black. The exterior mirror projection shines the “Stronger Than Time” lettering onto the tarmac. The radiator grille with four horizontal louvers is fitted standard and the black panel radiator grille is available as an option.

The EDITION ONE is also equipped with the AMG Line and Night Package as standard. This includes aerodynamically optimized 20-inch AMG 10-spoke alloy wheels in high-gloss black and tinted exterior lighting elements. The door handle buttons are adorned with the G logo and the exterior mirror housings are finished in black. The running boards come in silver as standard and are optionally available in black. The interior is upholstered in new MANUFAKTUR Silver Pearl/Black Nappa leather. The multifunction sports steering wheel with touch controls is also covered in Nappa leather. The blue details of the exterior are reflected in the interior of the EDITION ONE with blue carbon fiber trim elements and blue stitching.

The Seat Comfort Package and G-ROAR sound experience are also included in the generous standard equipment of the EDITION ONE.

Driver assistance technology

The all-new electric G-Class features numerous advanced driver assistance and safety systems⁴ as standard, which use number of sensors, cameras and radar to monitor traffic and the vehicle's surroundings.

- **Active Distance Assist DISTRONIC** helps drivers maintain a safe distance to other vehicles, among other things, by adapting to the speed of traffic ahead. The desired target distance can be set in several stages. Other functions include reacting to stationary vehicles, automatic restart and automatic speed transfer. In combination with **Route-Based Speed Adaptation**, the system can automatically reduce vehicle speed when approaching bends, junctions, roundabouts, tolls or exits, and then accelerate when appropriate.
- **Active Steering Assist** supports the driver at speeds up to 100 mph with moderate steering intervention to help remain in the center of the lane of travel.
- **Active Brake Assist** uses sensors to identify a risk of collision with a vehicle traveling ahead, crossing or oncoming. If an imminent collision is detected, the system can alert the driver with visual and audible warnings. If the driver's braking is insufficient, it can also assist by increasing the braking force to the appropriate level, and if there is no reaction, it can initiate autonomous emergency braking.
- **Active Emergency Stop Assist** brakes the vehicle to a standstill in its own lane if it detects the driver is no longer intervening in the driving situation. Belt tensioning and brake jerk provide the driver with final warnings before the brakes are applied.
- **Active Lane Keeping Assist** uses a camera to detect when lane markings and edges of the lane are being driven over and help the driver avoid unintentionally leaving the lane. If there is a risk of collision with other road users detected in the adjacent lane, for example overtaking or oncoming vehicles, the system can also react with steering intervention and warnings.
- **Active Blind Spot Assist** can provide a visual warning of side collisions as well as an audible warning when the turn signal is activated at speeds of approximately 6 mph or more. In addition, the **exit warning** function can alert drivers to approaching vehicles, including cyclists, when the vehicle is stationary.
- **ATTENTION ASSIST** can recognize typical signs of driver fatigue and inattention and displays a warning message prompting the driver to take a break.
- The **Surround View 360-degree camera** provides a clear view of the vehicle's immediate surroundings on the central display during parking and maneuvering at low speeds. Images from four different cameras (front, rear and both sides of the vehicle) are combined to create a virtual 360-degree view from a bird's eye perspective.
- **PARKTRONIC with Active Parking Assist** can actively assist the driver with backing the vehicle into a parking space and recognize suitable spaces at speeds of up to 22 mph.
- 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, for

⁴ The Mercedes-Benz driver assistance and safety systems are aids and do not relieve the driver of their responsibility. The instructions in the Owner's Manual and the system limits described there should be observed.

example, reversible belt tensioning or automatic closing of side windows or the sliding glass sunroof to help protect occupants.

- **PRE-SAFE® Sound** can prepare the occupants' ears for the stress caused by the noise generated in an accident. In the event a critical driving situation is detected, a special sound chip generates a noise via the vehicle's speakers. In many cases, the noise triggers a natural protective reflex – the tiny stapedius muscle in the ear contracts briefly and dampens the connection between the eardrum and the inner ear.
- The **Traffic Sign Assist** can provide the driver with the posted speed limit. In addition, the system can also recognize overhead and roadwork signs.

Technical data

Mercedes-Benz G 580 with EQ Technology

Drive system and battery		
Drive config.		All-wheel drive with selectable LOW RANGE
Electric motors	Type	Four permanently excited synchronous motors (two-speed)
Output	hp	579
Torque	lb-ft	859
Battery type		Lithium-ion
Battery capacity (usable)	kWh	116
Max. recuperation capacity	kW	217
AC charging capacity	kW	9.6
AC charging time (9.6 kW)	hrs	13.6 (0-100% SOC)
DC charging capacity	kW	200
DC charging time (200 kW)	min	32 (10-80% SOC)
Suspension		
Front axle		Independent double wishbone suspension
Rear axle		Solid De-Dion axle
Brake system		Dual-circuit hydraulic
Steering		Electromechanical
Dimensions and weights		
Wheelbase	in	113.8
Track width front / rear	in	64.5 / 64.4
Length / width / height	in	182 (w/ Design Box) / 86.1 (74.4 w/o mirrors) / 78.2
Turning circle	ft	44.6 (wall-to-wall)
Cargo volume	cu-ft	34.8
Curb weight	lbs	6,746
Performance, range and fuel economy		
Acceleration 0-60 mph	s	4.6 (est.)
Top speed	mph	112 (electronically limited)
Electric range (EPA)	mi	239
Fuel economy (EPA)	MPGe	68 city / 53 hwy / 62 comb

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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.

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