



Mercedes-Benz

Factsheet

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The all-new electric C-Class: 360° Environmental Check

The all-new electric C-Class has been designed from the ground up as a battery-electric vehicle, marking the next consistent step in Mercedes-Benz's electrification strategy in the midsize segment. Numerous sustainability measures, first introduced with the all-new electric GLC, are now also being applied to the all-new electric C-Class. As a result, the C-Class achieves a two-thirds reduction in carbon footprint across its entire lifecycle compared to the current combustion engine-powered C-Class. This is documented in the 360° Environmental Check, which is verified by independent auditors.

Resource efficiency, CO₂ reduction and the circular economy are already key focus areas during the development phase. Together with its suppliers, Mercedes-Benz specifically relies on CO₂-reduced materials such as aluminum, steel, plastics and battery cells. As a result, CO₂ emissions in the supply chain can be reduced by approximately 23 percent.

Key contributions to the environmental performance of the all-new electric C-Class:

- **Design for Environment:** Resource conservation measures are firmly embedded in the development process of the all-new electric C-Class. The "Design for Environment" approach considers material efficiency, recyclability and the increased use of secondary raw materials already in the early stages of development.
- **Carbon-reduced aluminum:** Mercedes-Benz sources approximately two-thirds of the vehicle's aluminum requirements from electrolysis plants powered by renewable energy or with an increased share of recycled material. In addition to the body and steering knuckles, components such as the wheels and battery housing are made of aluminum with a reduced carbon footprint.
- **Carbon-reduced steel:** Approximately 99 lbs of steel from electric arc furnaces powered by renewable energy are used for the steel components manufactured in-house.
- **Use of secondary materials** Compared to the current combustion engine-powered C-Class, the share of secondary materials in thermoplastics has increased more than fourfold. In total, approximately 108 lbs of thermoplastic recycled plastic are used. Numerous components are partially made from recycled materials, including:
 - Frunk tub with 50 percent post-consumer recycled material
 - Wheel arch liners with 93 percent recycled content
 - Jack mounts made from 100 percent recycled bumpers from scrap vehicles
 - Bumper carriers with 83 percent recycled content
 - Nonwoven fabric and yarn in seat covers with 34 and 50 percent recycled content, respectively

Reduction of carbon emissions during use phase:

- **Outstanding range:** The all-new electric C-Class has up to 762 kilometers (WLTP) of electric range¹, which makes it ideal for both everyday commutes and long-distance driving.
- **High efficiency of the electric drive:** With a combined energy consumption of 18.5–14.1 kWh/100 km¹ (WLTP), the all-new electric C-Class is one of the most efficient vehicles in its segment.

- **800-volt architecture:** Modern 800-volt technology provides the basis for high efficiency and particularly fast DC fast charging.
- **Standard multi-source heat pump:** It combines efficiency with high thermal comfort. The multi-source heat pump uses waste heat from the electric drive system and the battery, as well as ambient air, to heat the interior. In doing so, it requires around one-third of the electrical energy that a comparable electric auxiliary heater would need to deliver the same heating output under the same conditions.
- **High recuperation performance:** The C-Class is equipped with a new One-Box braking system. For efficiency reasons, up to 99 percent of all braking processes are carried out entirely through recuperation. Recuperation up to 300 kW is possible, which helps maximize range.

Intelligent charging ecosystem with renewable charging:

- **Fast charging speeds:** Up to 325 kilometers of range can be charged in as little as ten minutes².
- **MB.CHARGE Public:** With standard Digital Extra: MB.CHARGE Public³, customers gain access to one of the largest charging networks worldwide, currently with more than 3 million charging points.
- **Renewable Charging:** Renewable Charging is an integral component of MB.CHARGE Public in the U.S., Canada, Europe and China. 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.

Energy-efficient and resource-conserving production of the all-new electric C-Class:

- **Reduction of carbon emissions:** The all-new electric C-Class is produced at the Kecskemet plant, which already operates with energy-efficient technologies. Photovoltaic systems are a central component of the site's energy supply. West of the plant, a ground-mounted solar park with an installed capacity of 27.4 MWp was built on an area of more than 2.5 million square feet. Together with the photovoltaic systems on the roofs of the new battery assembly facility, body shop and assembly halls, the plant reaches a total capacity of 42.3 MWp. This can cover approximately 25 percent of the annual energy demand.
- **Innovative production technologies:** In the new paint shop, optimized processes reduce energy consumption by approximately 20 percent compared to the existing facility and cut carbon emissions by approximately 80 percent. Additional investments in water efficiency and waste avoidance help conserve resources throughout the entire production process.

Measures in supply chain management:

- **Responsible sourcing:** Suppliers must accept the Responsible Sourcing Standards (RSS). As the company's central contractual framework for sustainability requirements, the standards are applied internationally. Through the Responsible Sourcing Standards (RSS), the company consolidates its expectations of suppliers regarding sustainable and responsible business practices, particularly with regard to working conditions, human rights, environmental protection, business ethics and compliance. The RSS are based on internationally recognized frameworks, among other things, as well as the Mercedes-Benz Group's Integrity Code and its Statement of Principles on Social Responsibility and Human Rights.
- **Focus on CO₂-intensive materials:** Binding targets for CO₂ reduction have been integrated into the sourcing processes for materials such as steel, aluminum, plastics and battery cells.
- **Decarbonization of the supply chain:** Mercedes-Benz works continuously with its partners to transform industrial supply chains, which includes expanding the production of low-carbon steel and aluminum.
- **Systematic risk management** Mercedes-Benz continuously enhances its due diligence approach and aims to complete assessments of all material high-risk raw materials by 2028, implementing mitigation measures where necessary. Progress is reported in the company's Raw Material Report.

Available vegan-certified interior:

- **Tomorrow drives Mercedes-Benz:** For interior materials, this means not only consistently increasing the share of recycled materials but also offering customers a vegan interior option ₹
- **Vegan interior equipment:** For the all-new electric C-Class, Mercedes-Benz offers an optional vegan interior independently certified by The Vegan Society. The only other vehicle in the world with this certification from The Vegan Society is the all-new electric GLC.
- **Reviewed materials:** Mercedes-Benz has had all soft-touch surface materials in the vehicle interior, such as microfiber fleece, textiles and MB-TEX, completely reviewed and audited.
- **Animal-free materials:** If there were any indications materials contained animal-based components, the materials underwent further development in cooperation with the respective supplier, and the affected components were replaced by other animal-free components.
- **Holistic material concept:** The optional vegan package is marked with The Vegan Society's "Vegan Trademark" and includes, among other things, seat upholstery, headliner, door and pillar trim, and carpets.

Click here for the [360° Environmental Check of the all-new electric C-Class](#).

About the 360° Environmental Check

Mercedes-Benz has published product-specific environmental information since 2005. The 360° Environmental Check is based on a comprehensive lifecycle assessment of each vehicle and verified by independent auditors. This transparency initiative reflects Mercedes-Benz's commitment to helping customers make informed purchasing decisions.

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Mercedes-Benz anniversary year "140 Years of Innovation"

Since Carl Benz filed the patent for the first automobile 140 years ago and Gottlieb Daimler built his motorized carriage shortly afterwards, Mercedes-Benz has dedicated itself to constant innovation and to creating the world's most desirable cars for customers. This ambition has driven every innovation – from the world's first automobile in 1886 to the biggest product launch program in the company's history that is currently underway. With its passion for performance and pioneering power, excellence and an unwavering commitment to customer service, the brand has consistently shaped the future of mobility. The result goes well beyond engineering achievement – it creates the unmistakable feeling that leads through everything Mercedes-Benz does: Welcome home.

Mercedes-Benz is celebrating 140 years of innovation by driving three new S-Class sedans on a transcontinental journey to 140 locations worldwide. Each place highlights the brand's technology, heritage, pioneering spirit and worldwide presence. Along the way customers, fans and colleagues will get to join in the celebrations – on an epic adventure that will run until October 2026. Follow the "140 Years. 140 Places" drive across six continents on our "[140 Years of Innovation | Mercedes-Benz Media](#)" special and via the [Mercedes-Benz Community](#).

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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¹ 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.

² 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.

³ Use of Digital Extras requires permanent acceptance of the Terms of Use for Digital Extras and the Mercedes me ID Terms of Use in their currently valid version, permanent linking of the vehicle to the Mercedes me user account and, where applicable, activation of Digital Extras. In addition, the vehicle must be linked to the corresponding user account. Information on the processing of personal data when using Digital Extras can be found in the Mercedes me connect privacy policy.