Press Information
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Performance meets electrified efficiency: The new Mercedes-AMG GLE 53 HYBRID

- Enhanced 3.0-liter inline six-cylinder engine with exhaust gas turbocharger, higher revving capability and 577-hp combined system output
- 400-volt plug-in hybrid system
- Extensive upgrades with even more emotional design
- Available in SUV and Coupe models

Affalterbach. Mercedes-AMG has extensively further developed the successful AMG GLE 53 family with an even more emotional design, enhanced equipment, state-of-the-art technology and heightened performance. The new exterior design gives the Mercedes-AMG GLE 53 HYBRID a more expressive presence. The revised front end impresses with a modified AMG-specific radiator grille, newly designed air intakes and LED lighting that accentuates the vehicle's sporty character. The rear of the vehicle stands out with striking newly shaped taillights with the star design and the AMG exhaust system with twin tailpipe trims. A wide selection of exclusive paint finishes is available, including for the first time as an AMG series finish on the AMG GLE, MANUFAKTUR Cirrus Silver Magno.

"We have consistently further developed our GLE 53 six-cylinder models: more power, more visual presence, more digital services – and above all, a typical AMG driving experience. This allows us to meet the wishes of our customers even more precisely. Added to this are extensive options for more detailed individualization. The long range plug-in hybrid leaves nothing to be desired."
Michael Schiebe, Member of the Board of Management of Mercedes-Benz Group AG, Production, Quality & Supply Chain Management, and CEO of Mercedes-AMG GmbH

New, further enhanced M256M EVO engine

At the heart of the AMG GLE 53 HYBRID is the further developed M256M EVO 3.0-liter inline six-cylinder engine. The turbocharged engine produces 443 hp and 443 lb-ft of torque. The high-performance unit impresses with an even sportier power curve at higher rpms.

The AMG-enhanced engine features a new cylinder head with improved intake and exhaust ports and a new intake camshaft. In addition, there is a new intake system with a larger volume. The improved torque build-up and even more agile response to accelerator pedal commands contribute to powerful acceleration across a wide range of engine speeds. The overall power curve is adapted to the engine's higher revving capability and the torque curve has been extended. 21.8 psi (1.5 bar) of boost pressure from the optimized exhaust gas turbocharger enables the robust torque at higher rpms.

The advanced powertrain in the Mercedes-AMG GLE 53 HYBRID combines the AMG-enhanced engine with a 181-hp electric motor. The 400-volt plug-in hybrid combines sporty driving dynamics with electric efficiency. The high power density of the hybrid drive is achieved through permanently excited synchronous technology with an internal rotor. The maximum torque of the electric motor, 354 lb-ft, is available from the first revolution. This ensures high agility right from the start and eliminates turbo lag.

The combined system output of 577 hp and 553 lb-ft of combined system torque enables impressive performance. Acceleration from 0-60 mph takes just 4.1 seconds – 0.8 seconds faster than its predecessor, the AMG GLE 53. Power delivery only ends at an electronically limited 155 mph. All-electric driving is also possible at speeds up to 87 mph. An optional 60-kW DC fast charger enables the battery to be charged from 10 to 80 percent in approximately 20 minutes. A 9.6-kW onboard charger is also fitted standard for AC charging.

Newly developed and tuned suspension

The new AMG RIDE CONTROL+ air suspension with adaptive damping adjustment offers a balanced combination of exceptional comfort and AMG driving dynamics. The system continuously adapts to the driving situation and the selected drive program.

The completely newly developed ESP® system offers even more precise control strategies and works perfectly with the AMG Performance 4MATIC+ fully variable all-wheel drive. Variable torque distribution enables optimal traction in all driving situations.

AMG DYNAMIC SELECT drive programs

The familiar "Slippery," "Comfort," "Sport," "Sport+," "Trail" and "Individual" AMG DYNAMIC SELECT drive programs enable a wide range of driving experiences. These adjust key parameters such as powertrain and transmission response, steering characteristics, suspension damping and sound.

The "Electric" drive program enables all-electric driving at speeds up to 87 mph. If the driver requests more power via the accelerator pedal, the intelligent operating strategy automatically switches modes: the combustion engine starts and temporarily takes over the drive power. When the battery state of charge is depleted, the system automatically switches to the "Comfort" drive program.

With the "Battery Hold" drive program, the combustion engine and electric motor operate as the situation demands, similar to the "Comfort" drive program, with a maximum boost from the electric motor of approximately 25 percent. The key difference is the operating strategy maintains the battery’s state of charge. For example, if the battery is at a 75 percent state of charge, it remains in this range as long as the "Battery Hold" drive program is selected. Use of the electric motor is therefore limited and optimized for low energy consumption. This allows drivers to decide when to use the full electric range – for example, in city traffic.

Interior: elegant materials with dynamic style

The interior welcomes occupants with a perfect blend of sportiness and luxury. The extensive available equipment includes a variety of leather finishes, from Nappa leather to MANUFAKTUR Nappa leather in Truffle Brown, Carmine Red and Yacht Blue. AMG-specific trim elements and an optional microfiber headliner underscore the sporty nature of the new AMG GLE 53 HYBRID.

AMG Performance steering wheel

The AMG Performance steering wheel, flattened at the bottom, features new tactile roller and rocker controls. It is available in a variety of finishes, from supple leather to sporty carbon fiber and microfiber. The steering wheel paddles allow drivers to manually control gear changes of the AMG SPEEDSHIFT® TCT 9G transmission. The two round AMG DRIVE UNIT steering wheel buttons, fitted standard, impress with brilliant color LCD displays and modern icons for intuitive control of key vehicle functions and drive programs.

State-of-the-art driver display concept

The MB.OS operating system enables the high-resolution driver display that provides the driver with the most relevant driving information. AMG-specific displays such as the large tachometer or performance data are always in view.

Exclusive customization

The MANUFAKTUR program offers extensive customization options. With an expanded paint portfolio featuring new MANUFAKTUR Patagonia Red Metallic and MANUFAKTUR Cirrus Silver Magno, high-quality MANUFAKTUR Nappa leather interiors in striking colors like Yacht Blue or Carmine Red, exclusive AMG Carbon Fiber trim – every Mercedes-AMG GLE 53 HYBRID can be tailored to individual customer tastes. AMG wheels with a variety of designs in sizes up to 22 inches are also available.

Technical Data at a Glance:

		Mercedes-AMG GLE 53 HYBRID SUV	Mercedes-AMG GLE 53 HYBRID Coupe
Powertrain			
Engine		3.0-liter inline six-cylinder with exhaust gas turbocharger	3.0-liter inline six-cylinder with exhaust gas turbocharger
Displacement	cc	2,999	2,999
Combined system output	**hp**	**577**	**577**
Combined system torque	**lb-ft**	**553**	**553**
Engine output	hp	443	443
at	rpm	5,800-6,100	5,800-6,100
Engine torque	lb-ft	443	443
at	rpm	2,200–5,200	2,200–5,200
Electric motor output	hp	181	181
Electric motor torque	lb-ft	354	354
Drive configuration		AMG Performance 4MATIC+ all-wheel drive with fully variable torque distribution	AMG Performance 4MATIC+ all-wheel drive with fully variable torque distribution
Transmission		AMG SPEEDSHIFT® TCT 9G	AMG SPEEDSHIFT® TCT 9G
Performance			
Acceleration 0-60 mph (est.)	s	4.1	4.1
Top speed (electronically limited)	mph	155 (electric only: 87)	155 (electric only: 87)

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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 constantly innovate and to create the world’s most desirable cars for customers. This ambition has driven every innovation – from the world’s first automobile in 1886 to today’s intelligent and safe electric vehicles, like the all-new GLC and the award-winning all-new CLA. With the new S-Class, the company continues the biggest product launch program in its history. 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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