

# The all-new BMW M5. Highlights.



- Seventh generation of the **BMW M5**. High-performance executive-class sedan has an electrified drive system for the first time. Model-specific M HYBRID system combines V8 engine with an electric motor. System output of 535 kW/727 hp (developed by the combination of the combustion engine with up to 430 kW/585 hp and the electric motor with up to 145 kW/197 hp), acceleration 0 – 100 km/h [62 mph]: 3.5 seconds, 0 – 200 km/h [124 mph]: 10.9 seconds, top speed: 250 km/h [155 mph] (305 km/h [189 mph] with optional M Driver's Package), energy consumption, weighted, combined: 1,7 – 1,6 l/100 km [166.2 – 176.6 mpg imp] and 25,5 – 25,0 kWh/100 km according to WLTP; CO<sub>2</sub> emissions, weighted, combined: 39 – 37 g/km according to WLTP; fuel consumption with discharged battery: 10,3 – 10,2 l/100 km [27.4 – 27.7 mpg imp] according to WLTP; CO<sub>2</sub> classes: weighted, combined B, with discharged battery G.
- M-typical performance elevated to a new level by consistent electrification. Drive system derived from BMW M Hybrid V8 endurance racer. Electric motor has instantaneous power delivery; high-revving V8; peak system torque of 1,000 Nm [737 lb-ft] (developed by the combination of the combustion engine with up to 750 Nm [553 lb-ft] and the electric motor with up to 280 Nm [206 lb-ft]).
- M HYBRID system plus power transmission and chassis technology tuned to the specific performance characteristics of the combustion engine/electric motor combination deliver longitudinal and transverse dynamics unparalleled in this market segment. Outstanding elasticity at the heart of a richly engaging performance experience.
- New BMW M5 has expressive appearance thanks to M-specific design features. Sculptural front end, prominently flared wheel arches and model-specific C-pillar design differentiate it clearly from the new BMW 5 Series Sedan. Unusually high proportion of surfaces painted in body colour create a puristic appearance. Embossed "M5"

logo for the Hofmeister kink. Illuminated M kidney Iconic Glow and dynamic light carpet.

- Latest version of the 4.4-litre V8 engine with cutting-edge M TwinPower Turbo technology, cross-bank exhaust manifold and optimised oil separation provides the basis for the M HYBRID system. Track-optimised cooling and oil supply systems. Sports exhaust system with electrically controlled flaps and characteristic dual tailpipes.
- Model-specific electric motor integrated into the transmission. Unique pre-gearing stage increases effective torque of the electric motor at the transmission input to a maximum 450 Nm [332 lb-ft]. Eight-speed M Steptronic transmission with Drivelogic offers three shift programs, can be operated using new selector lever and shift paddles on the steering wheel.
- High-voltage battery with 18.6 kWh of usable energy, enabling an electric range of 67 – 69 kilometres (42 – 43 miles) in the WLTP cycle, which is unmatched by any rival. AC charging at up to 7.4 kW as standard.
- Optimised traction, directional stability and dynamic potency thanks to further developed all-wheel-drive system M xDrive and Active M Differential at the rear axle. Rear-biased setup, three modes selectable via the M Setup menu: 4WD, 4WD Sport and 2WD, which sends drive exclusively to the rear wheels with the DSC (Dynamic Stability Control) system switched off. Launch Control provides acceleration with optimal traction and maximum dynamic flair in all M Setup settings, with the exception of the M xDrive system's 2WD mode.
- M-typical, performance-oriented overall vehicle concept. New BMW M5 has significantly longer wheelbase and wider tracks than the predecessor model. Engine and rear axle support mounts have increased rigidity. Model-specific strut braces in the rear section; tower-to-bulkhead stiffening profile, tower-to-frontend struts and other bracing elements in the front-end structure. Optional M Carbon roof reduces weight.
- Extensively upgraded chassis technology tuned precisely to the M HYBRID drive system. Double-wishbone front axle and five-link rear axle with bespoke kinematics and elastokinematics, plus model-

specific components. M Servotronic steering with variable ratio has a rigid connection to the front axle subframe.

- Adaptive M suspension with electronically controlled dampers and Integral Active Steering as standard. Transverse dynamics management setup links control systems for the chassis, steering and braking system, as well as near-actuator wheel slip limitation, M xDrive and Active M Differential. Well-resolved balance of hallmark M performance and smooth long-distance comfort at all times. Integrated braking system with two pedal feel and response settings. M Carbon ceramic brakes optional. M light-alloy wheels (20-inch at the front axle, 21-inch at the rear).
- Large selection of systems for automated driving and parking. Front collision warning, Lane Departure Warning, Evasion Assistant, Speed Limit Info, manual Speed Limit Assist, plus Parking Assistant with Reversing Assistant and Reversing Assist Camera as standard. Driving Assistant Professional with Steering and Lane Control Assistant, Active Cruise Control, automatic Speed Limit Assist, traffic light detection and Active Navigation, plus Parking Assistant Professional for controlling parking manoeuvres via a smartphone optional.
- Highly customisable driving experience using familiar M operating concept. Setup button gives direct access to settings for the engine, Drivelogic, chassis, steering, brakes, M xDrive and brake energy recuperation. Users can configure two overall setup variants, which can then be called up using M buttons on the steering wheel. M Dynamic Mode and full DSC deactivation also possible at the touch of a button. M Mode button allows individual configuration of display content and driver assistance system interventions. Driver can select ROAD, SPORT and optionally also TRACK mode. Optional M Drive Professional also includes M Laptimer and Boost Control to maximise longitudinal dynamics when executing mid-range sprints.
- Up to five operating modes for the drive system can be selected using the M HYBRID button. Basic HYBRID setting for intelligently controlled interplay between the combustion engine and electric motor to maximise either efficiency or performance, depending on the mode selected in the M Setup menu. All-electric driving in ELECTRIC mode at up to 140 km/h [87 mph]. eCONTROL mode for effective brake energy recuperation and maintaining battery charge at a constant level. Optional DYNAMIC and DYNAMIC PLUS modes

prime the cooling system and drive system to keep performance at a constantly high level or generate short bursts of maximum power on the track.

- Progressive sports car cockpit with new M leather steering wheel and M multifunction seats. BMW Curved Display has M-specific content. Exclusive interior ambience created by standard Merino leather trim, BMW Interaction Bar, M-specific interior lighting with Welcome Animation, and panoramic glass sunroof.
- Upgraded BMW iDrive based on BMW Operating System 8.5. BMW Live Cockpit Professional includes BMW Head-Up Display, Augmented View and BMW Maps navigation system as standard. BMW Intelligent Personal Assistant and BMW Curved Display for intuitive, multimodal interaction between the driver and car using natural speech and touch control. Personalisation using BMW ID and My BMW App. Smartphone integration for Apple CarPlay® and Android Auto™. Personal eSIM can be used in the car. 5G-enabled aerial system provides optimised connectivity. Video streaming and in-car gaming on the control display. Digital payment option for parking fees and fuel.
- Exclusive standard specification includes four-zone air conditioning, heated front seats, ambient lighting, Bowers & Wilkins Surround Sound System, wireless charging tray, Comfort Access, an alarm system and automatic tailgate operation. Charging cable Professional also standard. Options include M Carbon exterior package, an Alcantara headliner, steering wheel heating, active seat ventilation and a trailer tow hitch.
- Extensive selection of model-specific BMW M Performance Parts available from launch. Selection includes M Performance forged light-alloy wheels and exterior components made from carbon fibre-reinforced plastic (CFRP).
- World premiere of the new BMW M5 at the Goodwood Festival of Speed in England in July 2024. Production at BMW Group Plant Dingolfing starts in July 2024; worldwide market launch from November 2024. New BMW M5 Touring set to join line-up; production starts and launch gets underway in November 2024.

All of the stated model variants, equipment features, technical data and fuel/electric power consumption and emissions figures relate to the offering in the German market, if the respective vehicle is available there. These may vary for other markets. Dimensions and measurements refer to vehicles with basic configuration in Germany. These may vary depending on the wheel/tyre size and items of optional equipment selected.