BMW i
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More variety, more electric range, less CO_2: BMW 530e Sedan with the latest battery cell technology and also with optional intelligent all-wheel drive.

Advanced plug-in hybrid system for the business sedan – electric range increased by more than 30 percent to up to 66 kilometres*, CO_2 emissions reduced by more than 20 percent – expansion of the range of models with electrified drive with the new BMW 530e xDrive Sedan.

Munich. Premium automobile manufacturer BMW is increasing the efficiency, appeal and variety of its electrified models for the upper mid-range segment. The latest battery cell technology contributes to increasing the electric range of the BMW 530e Sedan plug-in hybrid model to between 61 and 66 kilometres*. In addition, the latest-generation BMW eDrive technology has reduced the combined fuel consumption and CO_2emissions levels by more than 20 percent from 1.8 to 1.6 litres per 100 kilometres* as well as by 41 to 36 grams per kilometre*. The combined power consumption of the BMW 530e Sedan is now 14.5 to 13.6 kWh per 100 kilometres*. Parallel to the market launch of the BMW 530e Sedan, the BMW 530e xDrive Sedan is also available immediately (fuel consumption combined: 2.2 – 2.0 l/100 km; combined power consumption: 15.4 – 15.0 kWh/100 km; combined CO_2 emissions: 49 – 46 g/km), which combines the advanced plug-in hybrid system with intelligent all-wheel drive.

Both plug-in hybrid versions of the BMW 5 Series Sedan profit from the latest advances in the field of battery cell technology for electrified models of the BMW Group. The new lithium-ion high-voltage battery of the BMW 530e Sedan and BMW 530e xDrive Sedan has a gross energy content increased from 9.2 to 12.0 kWh with no increase in physical size. Thanks to this increased capacity, the main share of day-to-day driving can be conducted electrically thereby reducing local emissions to zero. The high-voltage battery is housed space-savingly under the rear seat so that luggage compartment volume compared to the conventionally driven versions of the BMW 5 Series Sedan is limited only to a minimal degree. The storage volume in the BMW 530e Sedan and the BMW 530e xDrive Sedan is 410 litres.

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* Fuel consumption, CO_2 emissions, power consumption and range have been calculated based on the new WLTP test cycle and adapted to NEDC for comparison purposes, dependent on the tyre format selected. In these vehicles, different figures than those published here may apply for the assessment of taxes and other vehicle-related duties which are (also) based on CO_2 emissions.

The new high-voltage battery can be charged at conventional household sockets using the standard-equipment charging cable. The battery can be charged in less than six hours in this way. At a BMW i Wallbox the respective charging operation takes 3:35 hours. The charging socket is located under a separate flap on the front left side wall of the car.

The intelligently controlled interaction between combustion engine and electric motor in the BMW 530e Sedan and the BMW 530e xDrive Sedan achieves an outstanding level of efficiency and provides a distinctive quality of hallmark BMW driving pleasure. The plug-in hybrid system of both models consists of a 2.0 litre 4-cylinder petrol engine with BMW TwinPower Turbo Technology generating an output of 135 kW/184 hp as well as an 83 kW/113 hp electric motor, which is integrated into the 8-speed Steptronic transmission. Together they develop a system output of 185 kW/252 hp along with a maximum system torque of 420 Nm. The BMW 530e Sedan accelerates from 0 to 100 km/h in 6.1 seconds. The BMW 530e xDrive Sedan completes the standard sprint in 6.2 seconds. The top speed of both models is 235 km/h.

Intelligent energy management enables optimally efficient operation of the hybrid system. In order to further improve efficiency and driving pleasure, navigation data are also used for determining the ideal operation mode pro-actively. The driver can also influence the drive mode with the eDrive button. In the AUTO eDRIVE standard setting, purely electric driving is possible up to a speed of 110 km/h. After switching to the MAX eDRIVE mode, the BMW 530e Sedan and the BMW 530e xDrive Sedan can even travel at speeds of up to 140 km/h with zero local emissions. An acoustic pedestrian protection function is part of the hybrid-specific standard equipment. When driving electrically with speeds of up to 30 km/h, an unmistakeable sound, designed specifically for electrified BMW models, is generated to alert other road users without impairing the acoustic comfort of the vehicle occupants.

The latest-generation battery cell technology optimises both the electric range as well as the overall efficiency of the plug-in hybrid system. In the BMW 530e Sedan, local zero-emission driving is now possible for 61 to 66 kilometres*. The

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electric range of the BMW 530e xDrive Sedan is 55 to 58 kilometres*. A combined fuel consumption of 1.8 to 1.6 litres per 100 kilometres* (BMW 530e xDrive Sedan: 2.2 – 2.0 l/100 km*), CO_2 emissions of 41 to 36 g/km* (49 – 46 g/km*) and power consumption figures of 14.5 to 13.6 kWh per100 kilometres* (15.4 – 15.0 kWh/100 km*) characterise the high efficiency of the electrified drive. Both hybrid variants of the BMW 5 Series Sedan can meet the conditions for reduced company car taxation in Germany (depending on the equipment level) due to their low CO_2 emission levels and their large electric range. Only half the gross list price is used as a basis when calculating the monetary benefit from the private use of the company car.

The BMW 530e Sedan and the BMW 530e xDrive feature an auxiliary air conditioning system. The interior can be pre-conditioned remotely via BMW Connected using a smartphone. In addition, almost the entire range of 5 Series Sedan optional equipment is available for both plug-in hybrid models. The offer ranges from Adaptive Suspension and light alloy wheels in the sizes 17 to 20 inches to especially stylish and high-quality optional equipment by BMW Individual and the driver assistance systems Driving Assistant Plus and Parking Assistant Plus. BMW Live Cockpit ConnectedDrive with its fully digital display design is also available as special equipment. It includes a high-resolution instrument cluster with diagonal screen dimensions of 12.3 inches behind the steering wheel and a 10.25 inch control display. The scope of customisable displays in the BMW 530e Sedan and BMW 530e xDrive Sedan further include hybrid-specific depictions, which show electric range, charging status, the location of public charging stations as well as other information.

BMW plug-in hybrid models offer an array of benefits in everyday use.

BMW's plug-in hybrid drive systems already offer users a host of additional benefits over traditional solutions:

- Money-saving: Electric driving in urban areas is cheaper than using petrol or diesel if the plug-in hybrid vehicle is charged at home or at the workplace at low cost.

- Interior always at the right temperature, even before you get in: auxiliary heating and auxiliary air conditioning are fitted as standard.
- Braking is winning: The battery is charged under braking. In conventional vehicles, braking generates only heat and brake dust.
- The best of both worlds: Plug-in hybrids provide electric driving pleasure in urban areas and classical BMW driving pleasure over longer distances.
- Smoothing the way into the future: Because a plug-in hybrid can run emission-free, it is eligible to enter many low-emission zones, enjoys extra parking privileges and saves on toll charges.
- Better quality of life in cities: By driving on electric power, users can actively contribute to reducing emissions and traffic noise in cities.

New BMW 530e Sedan has a smaller overall CO_2 footprint.
The "real" environmental impact of plug-in hybrid vehicles has been questioned on occasion, especially in markets where the proportion of green energy used by the public energy grid remains small. The BMW Group conducted a full-cycle CO_2 certification for the new BMW 530e Sedan – from raw material procurement, the supply chain, production and the use phase, all the way to recycling.

This revealed the CO_2 footprint of the new BMW 530e Sedan to be 23 per cent smaller than that of the new BMW 530i Sedan when running on average European power in the use phase. When charging the car with green energy, its CO_2 footprint is reduced by as much as 47 percent.

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The BMW Group

With its four brands BMW, MINI, Rolls-Royce and BMW Motorrad, the BMW Group is the world's leading premium manufacturer of automobiles and motorcycles and also provides premium financial and mobility services. The BMW Group production network comprises 31 production and assembly facilities in 15 countries; the company has a global sales network in more than 140 countries.

In 2018, the BMW Group sold over 2,490,000 passenger vehicles and more than 165,000 motorcycles worldwide. The profit before tax in the financial year 2018 was € 9,815 billion on revenues amounting to € 97,480 billion. As of 31 December 2018, the BMW Group had a workforce of 134,682 employees.

The success of the BMW Group has always been based on long-term thinking and responsible action. The company has therefore established ecological and social sustainability throughout the value chain, comprehensive product responsibility and a clear commitment to conserving resources as an integral part of its strategy.

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