

# Technical specifications.

## BMW 7 Series.

### i7 xDrive60.



<b>BMW i7 xDrive60</b>		
<b>Vehicle Category</b>		
Drive type / body style	Battery electric vehicle (BEV) / Sedan	
<b>Body</b>		
No. of doors / seats	4 / 5	
Length/width/height (unladen)	mm	5391 / 1950 / 1544
Wheelbase	mm	3215
Track, front/rear	mm	1714 / 1735
Turning circle	m	13.1
Turning circle with Integral Active Steering	m	12.3
Ground clearance (unladen)	mm	136
Weight, unladen (DIN/EU)	kg	2640 / 2715
Max. load to DIN	kg	610
Max. permissible weight	kg	3250
Max. axle load, front/rear	kg	1550 / 1810
Max. trailer load, braked (12%/unbraked)	kg	2000 / 750
Max. roofload/towbar download	kg	- / 80
Luggage comp. capacity	l	500
Air resistance	$c_x \times A$	0.24 x 2.60
<b>Power Unit</b>		
Drive concept	Electric all-wheel drive, drive torque sent by one electric motor to the front wheels and one to the rear wheels, as required, in a coordinated process	
Max. system output	kW/hp	400 / 544
Max. system torque	Nm	745
System power-to-weight ratio	kg/kW	6.6
Type of transmission	Two-stage single-speed transmission with fixed ratio	
<b>Electric Motors</b>		
Motor technology	Fifth-generation BMW eDrive technology: electrically excited synchronous motors, power electronics and two-stage single-speed transmission sharing the same housing, generator function for recuperating energy	
<b>Front Electric Motor</b>		
Peak output to ECE R 85	kW/hp	190 / 258
Continuous output to ECE R 85	kW/hp	70 / 95
Max. torque	Nm	365
Gear ratio	:1	8.770
<b>Rear Electric Motor</b>		
Peak output to ECE R 85	kW/hp	230 / 313
Continuous output to ECE R 85	kW/hp	95 / 129x
Max. torque	Nm	380
Gear ratio	:1	9.400
<b>High-voltage Battery</b>		
Storage technology	Lithium-ion	
Installation	Underfloor	
Voltage	V	376.4
Battery capacity	Ah	280.8
Energy capacity, net	kWh	101.7
Charging time, 10 – 100% charge	< 9.5 hours at 11 kW (16 A / 380 V, three-phase AC, Wallbox)	
Charging time, 10 – 80% charge	34 min. at 195 kW (DC, fast-charging station)	
<b>Charging Unit</b>		
Type	Combined Charging Unit (CCU) with built-in 4 kW voltage transformer for supplying power to the 12V electrical system	
Max. charging rate AC, single-phase	kW	3.7 (EU) / 7.4 (incl. CN, KR) / 11.0 (US, JP)
Max. charging rate AC, three-phase	kW	11.0
Max. charging rate DC	kW	195

<b>BMW i7 xDrive60</b>			
<b>Driving Dynamics and Safety</b>			
Suspension, front		Double-wishbone axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers	
Suspension, rear		Five-link axle in aluminium construction, adaptive air suspension with automatic self-levelling, electronically controlled dampers	
Brakes, front		Vented disc brakes, with four-piston fixed callipers	
Brakes, rear		Vented disc brakes, with single-piston floating callipers	
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), ARB technology (near-actuator wheel slip limitation), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, drive-off assistant, trailer stability control, Performance Control; optional: active roll stabilisation	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt stopper, belt tensioner and belt force limiter in the front, crash sensors, tyre pressure indicator	
Steering		Electric Power Steering (EPS) with Servotronic function and variable steering ratio; optional: Integral Active Steering	
Steering ratio, overall		:1	15.6
Tyres, front/rear		245/50 R19 105Y XL	
Rims, front/rear		8.5J x 19 light-alloy	
<b>Performance</b>			
Acceleration	0–100 km/h	s	6.1
Top speed		km/h	240 (electronically limited)
<b>Electric Power Consumption / Range</b>			
Electric power consumption combined (WLTP)		kWh/100 km	19.6 – 18.4
Electric power consumption combined (NEDC)		kWh/100 km	–
Range (WLTP)		km	590 – 625
<b>Environmental Characteristics</b>			
Emission rating		Electric vehicle	

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)  
All figures relating to performance, fuel/electric power consumption and emissions are provisional.

The fuel consumption, CO<sub>2</sub> emissions, electric power consumption and electric range figures are determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany and the range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment.

All values were calculated based on the new WLTP test cycle. WLTP values are taken as the basis for determining vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions as well as eligibility for any applicable vehicle-specific subsidies. Further information on the WLTP and NEDC measurement procedures can also be found at [www.bmw.de/wltp](http://www.bmw.de/wltp).

Further information on official fuel consumption figures and specific CO<sub>2</sub> emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2>.