

# Technical specifications.

## BMW i5 Sedan.

### i5 xDrive40.



BMW i5 xDrive40 Sedan		
Vehicle category		
Drive type / body variant		Battery Electric Vehicle - BEV / Sedan
Body		
Number of doors/seats		4 / 5
Length/width/height (empty)		mm 5060 / 1900 / 1515
Wheelbase		mm 2995
Track width, front/rear		mm 1622 / 1658
Turning circle		m 11.8
Ground clearance, empty		mm 146
Vehicle curb weight (DIN/EU)		kg 2280 / 2355
Payload according to DIN		kg 610
Permitted total weight		kg 2890
Permitted axle loads, front/rear		kg 1430 / 1605
Permitted trailer load		
braked (12 %) / unbraked		kg 2000 / 750
Permitted roof load/permitted trailer nose weight		kg 75 / 80
Luggage compartment volume		l 490
Drag coefficient		c <sub>x</sub> x A 0.23 x 2.49
Drive		
Drive concept		Electric all-wheel drive, coordinated transmission of drive torque from one electric motor to the front and one to the rear wheels as needed, adaptive recuperation
System performance		kW/hp 290 / 394
System torque		Nm 590
System power weight		kg/kW 7.9
Transmission type		Automatic transmission, single-stage with fixed ratio
Electric motors		
Motor technology		Fifth-generation BMW eDrive technology: Current-excited synchronous machines, electric motor, power electronics and transmission each integrated in a common housing, generator function for recuperation
Electric motor front		
Peak power according to ECE R 85		kW/hp 190 / 258
at motor speed		rpm 8000
max. torque		Nm 365
at engine speed		rpm 0 – 5000
Overall ratio		:1 8.774
Electric motor rear		
Peak power according to ECE R 85		kW/hp 230 / 313
at engine speed		rpm 8000
Torque		Nm 400
at engine speed		rpm 0 – 5000
Overall ratio		:1 9.374
High voltage battery		
Battery technology		Lithium-ion
Installation location		Underbody
Voltage		V 400
Net energy content		kWh 81.2
Charging time for 0 -100% charge		8.5 h at 11 kW (16 A / 230 V, AC three-phase, Flexible Fast Charger)
Charging time for 0 -100% charge		4.25 h at 22 kW (32 A / 230 V, AC three-phase, wallbox)
Charging time for 10-80% charge		30 min at 205 kW (DC, fast charging station)
Additional range after 10 minutes of DC charging (max. charging sp.)		km 148
Charging unit		
Type		Combined Charging Unit (CCU) with integrated 3.5-kW voltage converter for supplying the 12-volt electrical system
max. charging power alternating current (AC) single-phase		kW 7.4 (EU, CN, KR among others) / 11.0 (US, JP)
max. charging power alternating current (AC) three-phase		kW 22.0
max. charging power direct current (DC)		kW 205

BMW i5 xDrive40 Sedan		
<b>Driving dynamics and safety</b>		
Front wheel suspension	Double wishbone axle in aluminium construction with separated lower control arm level; optional: electronically controlled shock absorbers	
Rear wheel suspension	Five-link axle in aluminium construction, double elastic mounting, air suspension with automatic self-levelling; optional: electronically controlled dampers	
Brakes, front	Four-piston, fixed-caliper disc brakes, ventilated	
Brakes, rear	Single-piston, floating-caliper disc brakes, ventilated	
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), directly controlled wheel slip limitation, Cornering Brake Assist CBC, Brake Assist DBC, Dry Brake Function, Fade Compensation, Hill Start Control, Trailer Stability Control, Performance Control; optional: Active Roll Stabilisation	
Safety equipment	Standard: Airbags for driver and passenger, side airbags for driver and passenger, interaction airbag between driver and passenger, front and rear head airbags, 3-point automatic-reel belt on all seats, with seat belt stopper at front, seat belt tensioner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display	
Steering	Electrically assisted rack-and-pinion steering (EPS) with Servotronic function and variable steering ratio; optional: Integral Active Steering	
Overall steering ratio	:1	15.7
Tyres, front/rear.	245/45 R19 102Y XL	
Wheel rims, front/rear	8.5J x 19 light-alloy	
<b>Driving performance figures</b>		
Acceleration 0-100 km/h (62 mph)	s	3.8
Top speed	km/h	215 (134 mph) (electronically limited)
<b>Consumption / range</b>		
Power consumption combined (WLTP)	kWh/100 km (62 miles)	20.0 – 17.2
Power consumption combined (NEDC)	kWh/100 km (62 miles)	–
Range (WLTP)	km	463 – 538 (288 – 334 miles)
<b>Environmental features</b>		
Emission rating	Electric vehicle	

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

Fuel consumption, CO<sub>2</sub> emission figures and power consumption as well as electric range were measured using the methods required according to Regulation VO (EC) 715/2007 as amended. Where a range is shown, the WLTP figures take into account the impact of any optional extras.

For vehicles which have been newly type-approved since 01.01.2021, official figures are only available according to WLTP. In addition, according to EU Regulation 2022/195, from 01.01.2023 the NEDC values in the EC certificates of conformity will no longer apply. Further information on the WLTP and NEDC measurement procedures is also available at [www.bmw.de/wltp](http://www.bmw.de/wltp).

For further details of the official fuel consumption figures and official specific CO<sub>2</sub> emissions of new cars, please refer to the "Manual on the fuel consumption, CO<sub>2</sub> emissions and power consumption of new cars", available at sales outlets free of charge, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.