

# Technical specifications.

## BMW iX.

### iX xDrive40.



BMW iX xDrive40		
<b>Vehicle Category</b>		
Drive type / body style	Battery electric vehicle (BEV) / Sports Activity Vehicle (SAV)	
<b>Body</b>		
No. of doors / seats	5 / 5	
Length/width/height (unladen)	mm	4953 / 1967 / 1695
Wheelbase	mm	3000
Track, front/rear	mm	1661 / 1691
Turning circle	m	13.0
Weight, unladen (DIN/EU)	kg	2365 / 2440
Max. load to DIN	kg	645
Max. permissible weight	kg	3010
Max. axle load, front/rear	kg	1450 / 1690
Max. trailer load, braked (12%/unbraked)	kg	2500 / 750
Max. roofload/towbar download	kg	75 / 100
Luggage comp. capacity	l	500 – 1750
Air resistance	$c_x \times A$	0.25 x 2.82
<b>Power Unit</b>		
Drive concept	Electric drive, coordinated transmission of the drive torque from two electric motors to the front and rear wheels respectively in accordance with requirements	
Max. system output	kW/hp	240 / 326
Max. system torque	Nm	630
System power-to-weight ratio	kg/kW	9.9
Type of transmission	Automatic transmission, single-speed with fixed ratio	
<b>Electric Motors</b>		
Motor technology	Fifth-generation BMW eDrive technology: electrically excited synchronous motors each sharing the same housing with the power electronics and single-speed transmission, 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	60 / 82
Max. torque	Nm	290
Gear ratio	:1	8.774
<b>Rear electric motor</b>		
Peak output to ECE R 85	kW/hp	200 / 272
Continuous output to ECE R 85	kW/hp	85 / 116
Max. torque	Nm	340
Gear ratio	:1	11.115
<b>High-voltage Battery</b>		
Storage technology	Lithium-ion	
Installation	Underfloor	
Voltage	V	330.3
Battery capacity	Ah	232
Energy capacity, gross	kWh	76.6
Energy capacity, net	kWh	71.0
Charging time, 0 – 100 % charge	< 8 h at 11 kW (16 A / 380 V, three-phase AC, Wallbox)	
Charging time, 10 – 80 % charge	31 min at 150 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	7.4
Max. charging rate AC, three-phase	kW	11.0
Max. charging rate DC	kW	150

<b>BMW iX xDrive40</b>		
<b>Driving Dynamics and Safety</b>		
Suspension, front	Double-wishbone axle in aluminium construction; optional: air suspension with automatic self-levelling and electronically controlled dampers	
Suspension, rear	Five-link axle in lightweight steel construction, steerable; optional: air suspension with automatic self-levelling and electronically controlled dampers	
Brakes, front	Vented disc brakes, with four-piston fixed callipers	
Brake disc size	mm	348 x 30
Brakes, rear	Vented disc brakes, with single-piston floating callipers	
Brake disc size	mm	330 x 20
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	
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 latch 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	16.0
Tyres, front/rear	235/60 R20 108H XL	
Rims, front/rear	9.5J x 20 light-alloy	
<b>Performance</b>		
Acceleration 0–100 km/h	s	6.1
Top speed	km/h	200 (electronically limited)
<b>Off-road Characteristics</b>		
Angle of approach/departure	°	18.8 / 20.7
Breakover angle	°	17.5
Ground clearance (unladen)	mm	202
Fording depth (at 7 km/h)	mm	379
<b>Electric Power Consumption / Range</b>		
Electric power consumption combined (WLTP)	kWh/100 km	22.5 – 19.3
Range (WLTP)	km	372 – 425
<b>Environmental Characteristics</b>		
Emission rating	Electric vehicle	

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

Official fuel consumption, CO<sub>2</sub> emissions, electric power consumption and electric range figures were determined based on the prescribed measurement procedure in accordance with European Regulation (EC) 2007/715 in the version applicable. They refer to vehicles in the German market. Where a range is shown, NEDC figures consider the different sizes of the selected wheels/tyres, while WLTP figures take into account the impact of any optional extras.

WLTP values are used 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. Any NEDC values that are shown were calculated based on the new WLTP measurement procedure where appropriate and translated back into equivalent NEDC measurements in order to ensure comparability between the vehicles. Only official figures based on the WLTP procedure are available for new models that have been type tested since 01.01.2021. 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-Schornhausen and at <https://www.dat.de/co2/>.

# BMW iX. iX xDrive50.

BMW iX xDrive50		
<b>Vehicle Category</b>		
Drive type / body style	Battery electric vehicle (BEV) / Sports Activity Vehicle (SAV)	
<b>Body</b>		
No. of doors / seats	5 / 5	
Length/width/height (unladen)	mm	4953 / 1967 / 1696
Wheelbase	mm	3000
Track, front/rear	mm	1659 / 1688
Turning circle	m	13.0
Weight, unladen (DIN/EU)	kg	2510 / 2585
Max. load to DIN	kg	635
Max. permissible weight	kg	3145
Max. axle load, front/rear	kg	1530 / 1780
Max. trailer load, braked (12%/unbraked)	kg	2500 / 750
Max. roofload/towbar download	kg	75 / 100
Luggage comp. capacity	l	500 – 1750
Air resistance	$c_x \times A$	0.25 x 2.82
<b>Power Unit</b>		
Drive concept	Electric drive, coordinated transmission of the drive torque from two electric motors to the front and rear wheels respectively in accordance with requirements	
Max. system output	kW/hp	385 / 523
Max. system torque	Nm	765
System power-to-weight ratio	kg/kW	6.5
Type of transmission	Automatic transmission, single-speed with fixed ratio	
<b>Electric Motors</b>		
Motor technology	Fifth-generation BMW eDrive technology: electrically excited synchronous motors each sharing the same housing with the power electronics and single-speed transmission, 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	8.774
<b>Rear electric motor</b>		
Peak output to ECE R 85	kW/hp	230 / 313
Continuous output to ECE R 85	kW/hp	95 / 129
Max. torque	Nm	400
Gear ratio	:1	11.115
<b>High-voltage Battery</b>		
Storage technology	Lithium-ion	
Installation	Underfloor	
Voltage	V	369
Battery capacity	Ah	303
Energy capacity, gross	kWh	111.5
Energy capacity, net	kWh	105.2
Charging time, 0 – 100 % charge	< 11 h at 11 kW (16 A / 380 V, three-phase AC, Wallbox)	
Charging time, 10 – 80 % charge	35 min at 200 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	7.4
Max. charging rate AC, three-phase	kW	11.0
Max. charging rate DC	kW	195

<b>BMW iX xDrive50</b>		
<b>Driving Dynamics and Safety</b>		
Suspension, front	Double-wishbone axle in aluminium construction; optional: air suspension with automatic self-levelling and electronically controlled dampers	
Suspension, rear	Five-link axle in lightweight steel construction, steerable; optional: air suspension with automatic self-levelling and electronically controlled dampers	
Brakes, front	Vented disc brakes, with four-piston fixed callipers	
Brake disc size	mm	348 x 36
Brakes, rear	Vented disc brakes, with single-piston floating callipers	
Brake disc size	mm	345 x 24
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	
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 latch 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	16.0
Tyres, front/rear	235/60 R20 108H XL	
Rims, front/rear	9.5J x 20 light-alloy	
<b>Performance</b>		
Acceleration 0–100 km/h	s	4.6
Top speed	km/h	200 (electronically limited)
<b>Off-road Characteristics</b>		
Angle of approach/departure	°	18.8 / 20.8
Breakover angle	°	17.6
Ground clearance (unladen)	mm	203
Fording depth (at 7 km/h)	mm	379
<b>Electric Power Consumption / Range</b>		
Electric power consumption combined (WLTP)	kWh/100 km	23.0 – 19.8
Range (WLTP)	km	550 – 631
<b>Environmental Characteristics</b>		
Emission rating	Electric vehicle	

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