

Technical specifications.

BMW iX4.

iX4 50 xDrive.



BMW iX4 50 xDrive		
Vehicle category		
Drive type / body variant		Battery Electric Vehicle – BEV / SUV Coupé
Body		
Number of doors / seats		5 / 5
Length / width / height (unladen)		4782 / 1895 / 1595
Wheelbase		2897
Track width, front / rear		1628 / 1633
Turning circle		12.1
Unladen weight (DIN / EU)		2305 / 2380
Payload according to DIN		520
Permitted total weight		2825
Permitted axle load, front / rear		1240 / 1510
Max. permissible trailer load (12%) braked / unbraked		2000 / 750
Max. permissible roofload / towbar download		75 / 80
Luggage compartment capacity		490 – 1600
Storage compartment under the bonnet		58
Air resistance		$c_x \times A$ 0.23 × 2.58
Drive		
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
Maximum output		kW / hp 345 / 469
Maximum torque		Nm 645
Power-to-weight ratio		kg/kW 6.6
Type of transmission		Single-speed transmission with fixed ratio
Electric motors		
Motor technology		Sixth-generation BMW eDrive technology: electrically excited synchronous motor at the rear axle, asynchronous motor at the front axle, each sharing a housing with the power electronics and transmission; generator function for recuperating energy
Electric motor, front		
Peak power according to ECE R 85 at		kW / hp 123 / 167 min ⁻¹ 4607
Max. torque at		Nm 255 min ⁻¹ 0 – 4607
Overall ratio		:1 8.801
Electric motor, rear		
Peak power according to ECE R 85 at		kW / hp 240 / 326 min ⁻¹ 5000
Maximum torque at		Nm 435 min ⁻¹ 0 – 5000
Overall ratio		:1 9.606
High-voltage battery		
Battery technology		Lithium-ion
Installation location		Underbody
Voltage		V 698.9
Net energy content		kWh 108.7
Charging time for 0 – 100% charge		11:00 h at 11 kW (16 A / 230 V, AC three-phase, Wallbox)
Charging time for 0 – 100% charge		5:30 h at 22 kW (32 A / 230 V, AC three-phase, Wallbox)
Charging time for 10 – 80% charge		21 min at 400 kW (800 V, DC, fast-charging station)
Additional range after 10 minutes of DC charging (max. charging rate) ¹⁾		km 296 – 387
Charging unit		
Max. charging power alternating current (AC) three-phase		kW 11.0 (optional: 22.0)
Max. charging power direct current (DC)		kW 400

BMW iX4 50 xDrive		
Bidirectional charging		
Vehicle to Load, max. rate (AC)	kW	optional: 3.7
Vehicle to Home, max. rate (DC)	kW	11.0
Vehicle to Grid, max. rate (DC)	kW	11.0
Driving dynamics and safety		
Front wheel suspension	Two-joint spring strut axle in lightweight aluminium-steel construction with tension strut and anti-roll bar, trapezoidal shear panels forming connection between axle subframe, high-voltage battery and body	
Rear wheel suspension	Five-link axle in lightweight aluminium-steel construction with separately arranged springs and dampers	
Brakes, front	Single-piston, floating-caliper disc brakes, ventilated	
Brakes, rear	Single-piston, floating-caliper disc brakes, ventilated	
Driving stability systems	Standard: Heart of Joy integrated drivetrain and driving dynamics management, integrated braking system, DSC incl. ABS, ASC and DTC (Dynamic Traction Control), Cornering Brake Control, brake drying function, Fading Brake Support, drive-off assistant, Hill Descent Control, Trailer Stability Control	
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, at the front with belt tensioner and belt force limiter, crash sensors, tyre pressure display	
Steering	Electrically assisted rack-and-pinion steering (EPS) with Servotronic function	
Steering wheel turns (lock to lock)	2.8	
Tyres, front / rear	255/45 R20 105W XL	
Wheel rims, front / rear	8.5J x 20 light alloy	
Performance		
Acceleration 0 – 100 km/h (62 mph)	s	4.9
Top speed	km/h	210 (124 mph)
Off-road characteristics		
Approach / departure angle	°	18.2 / 20.1
Breakover angle	°	15.9
Ground clearance, unladen	mm	173
Fording depth (at 5 km/h)	mm	400
Consumption / range (WLTP combined)²⁾		
Electric power consumption according to EnVKV	kWh/100 km	19.0 – 15.7
El. power cons. achievable in individual configuration	kWh/100 km	19.0 – 15.7
El. power cons., motorway ³⁾	kWh/100 km	24.1 – 20.0
Range according to EnVKV	km	680 – 828
Range achievable in individual configuration	km	680 – 828
Environmental features		
Pass-by noise	65	
CO ₂ class(es) acc. to EnVKV	A	
Technical specifications valid for ACEA markets/registration-related data only relevant to Germany in some cases. All figures are provisional.		

¹⁾ The extra range added after ten minutes of high-power charging was determined in accordance with ISO 12906 based on the WLTP cycle. Both the range added and charging performance are dependent on vehicle equipment, the battery's charge level and age, the battery temperature, the individual driving profile, the use of auxiliary consumers, the ambient temperature and the charging power provided at the charging station.

²⁾ The figures given were determined in accordance with the prescribed WLTP measurement procedure. The actual values depend on various factors, such as load, driving style, route, weather, auxiliary consumers (including air conditioning), tyres and the age of the battery.

³⁾ Corresponds to WLTP Extra High.

All the model variants, equipment levels, technical specifications, consumption and emission values described correspond to what is available on the automotive market in Germany. All figures refer to a vehicle fitted with basic equipment in Germany. Depending on the selected wheel and tyre size as well as selected optional equipment, these may change in line with the car's configuration.

Official data on power consumption and range were determined in accordance with the prescribed WLTP measurement procedure and comply with the Passenger Car Energy Consumption Labelling Ordinance. Go to www.bmw.de for more information.

BMW iX4. iX4 40 xDrive.

BMW iX4 40 xDrive		
Vehicle category		
Drive type / body variant		Battery Electric Vehicle – BEV / SUV Coupé
Body		
Number of doors / seats		5 / 5
Length / width / height (unladen)		mm 4782 / 1895 / 1595
Wheelbase		mm 2897
Track width, front / rear		mm 1628 / 1633
Turning circle		m 12.1
Unladen weight (DIN / EU)		kg 2185 / 2260
Payload according to DIN		kg 520
Permitted total weight		kg 2705
Permitted axle load, front / rear		kg 1240 / 1510
Max. permissible trailer load (12%) braked / unbraked		kg 2000 / 750
Max. permissible roofload / towbar download		kg 75 / 80
Luggage compartment capacity		l 490 – 1600
Storage compartment under the bonnet		l 58
Air resistance		c _x × A 0.23 × 2.58
Drive		
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
Maximum output		kW / hp 275 / 374
Maximum torque		Nm 520
Power-to-weight ratio		kg/kW 7.9
Type of transmission		Single-speed transmission with fixed ratio
Electric motors		
Motor technology		Sixth-generation BMW eDrive technology: electrically excited synchronous motor at the rear axle, asynchronous motor at the front axle, each sharing a housing with the power electronics and transmission; generator function for recuperating energy
Electric motor, front		
Peak power according to ECE R 85		kW / hp 123 / 167
at		min ⁻¹ 4607
Max. torque		Nm 255
at		min ⁻¹ 0 – 4607
Overall ratio		:1 8.801
Electric motor, rear		
Peak power according to ECE R 85		kW / hp 195 / 265
at		min ⁻¹ 6000
Maximum torque		Nm 345
at		min ⁻¹ 0 – 5000
Overall ratio		:1 10.485
High-voltage battery		
Battery technology		Lithium-ion
Installation location		Underbody
Voltage		V 671.6
Net energy content		kWh 82.6
Charging time for 0 – 100% charge		8:15 h at 11 kW (16 A / 230 V, AC three-phase, Wallbox)
Charging time for 0 – 100% charge		4:15 h at 22 kW (32 A / 230 V, AC three-phase, Wallbox)
Charging time for 10 – 80% charge		21 min at 300 kW (800 V, DC, fast-charging station)
Additional range after 10 minutes of DC charging (max. charging rate) ¹⁾		km 234 – 301
Charging unit		
Max. charging power alternating current (AC) three-phase		kW 11.0 (optional: 22.0)
Max. charging power direct current (DC)		kW 300

BMW iX4 40 xDrive		
Bidirectional charging		
Vehicle to Load, max. rate (AC)	kW	optional: 3.7
Vehicle to Home, max. rate (DC)	kW	11.0
Vehicle to Grid, max. rate (DC)	kW	11.0
Driving dynamics and safety		
Front wheel suspension	Two-joint spring strut axle in lightweight aluminium-steel construction with tension strut and anti-roll bar, trapezoidal shear panels forming connection between axle subframe, high-voltage battery and body	
Rear wheel suspension	Five-link axle in lightweight aluminium-steel construction with separately arranged springs and dampers	
Brakes, front	Single-piston, floating-caliper disc brakes, ventilated	
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Driving stability systems	Standard: Heart of Joy integrated drivetrain and driving dynamics management, integrated braking system, DSC incl. ABS, ASC and DTC (Dynamic Traction Control), Cornering Brake Control, brake drying function, Fading Brake Support, drive-off assistant, Hill Descent Control, Trailer Stability Control	
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, at the front with belt tensioner and belt force limiter, crash sensors, tyre pressure display	
Steering	Electrically assisted rack-and-pinion steering (EPS) with Servotronic function	
Steering wheel turns (lock to lock)	2.8	
Tyres, front / rear	255/45 R20 105W XL	
Wheel rims, front / rear	8.5J x 20 light alloy	
Performance		
Acceleration 0 – 100 km/h (62 mph)	s	5.6
Top speed	km/h	200 (124 mph) (electronically limited)
Off-road characteristics		
Approach / departure angle	°	18.2 / 20.1
Breakover angle	°	15.9
Ground clearance, unladen	mm	173
Fording depth (at 5 km/h)	mm	400
Consumption / range (WLTP combined)²⁾		
Electric power consumption according to EnVKV	kWh/100 km	19.1 – 15.9
El. power cons. achievable in individual configuration	kWh/100 km	19.1 – 15.9
El. power cons., motorway ³⁾	kWh/100 km	24.3 – 20.3
Range according to EnVKV	km	526 – 638
Range achievable in individual configuration	km	526 – 638
Environmental features		
Pass-by noise	dB(A)	66
CO ₂ class(es) acc. to EnVKV	A	
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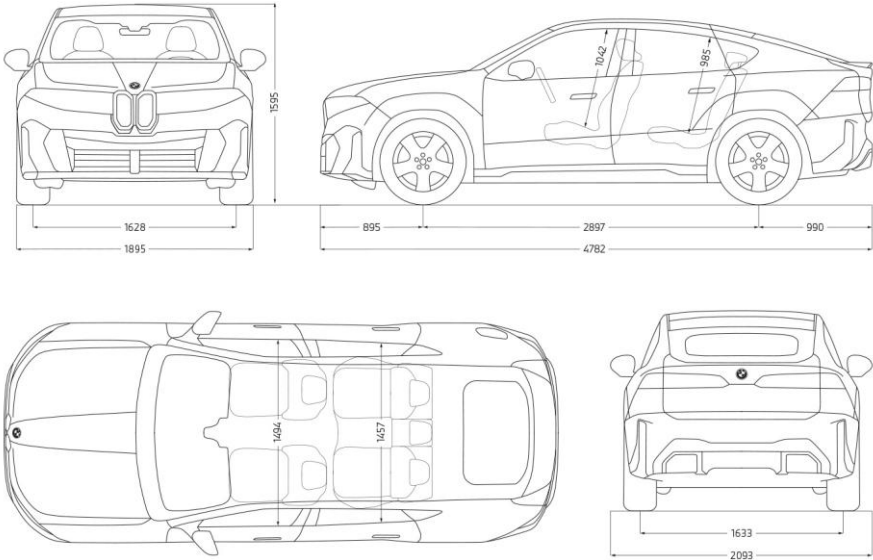
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Exterior and interior dimensions. BMW iX4.



The dimensions of the technical drawing are in millimetres and may vary depending on the model and optional equipment specified.