

# 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   | 1679 / 1709        |
| Turning circle                              | m  | 12.8               |
| 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,<br>braked (12%/unbraked) | kg   | 2500 / 750         |
| Max. roofload/towbar<br>download            | kg   | 75 / 100           |
| Luggage comp. capacity                      | l  | 500 – 1750         |
| Air resistance                              | cx x 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 %<br>charge          | < 8 h at 11 kW (16 A / 380 V, three-phase AC, Wallbox)   |                    |
| Charging time, 10 – 80 %<br>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<br>AC, single-phase      | kW   | 7.4                |
| Max. charging rate<br>AC, three-phase       | kW   | 11.0               |
| Max. charging rate<br>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, HDC (Hill Descent Control), 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                           |            | 8.5J 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 – 19.4   |
| 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   | 1677 / 1706        |
| Turning circle                              | m  | 12.8               |
| 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,<br>braked (12%)/unbraked | kg   | 2500 / 750         |
| Max. roofload/towbar<br>download            | kg   | 75 / 100           |
| Luggage comp. capacity                      | l  | 500 – 1750         |
| Air resistance                              | c <sub>x</sub> x 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, HDC (Hill Descent Control), 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                           | 8.5J 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  | 549 – 630                    |
| <b>Environmental Characteristics</b>       |   |                              |
| Emission rating                            | Electric vehicle  |                              |

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