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THE TOYOTA bZ4X

- All-new, all-electric mid-size SUV,
- First model to feature Toyota's eTNGA, a modular architecture that can be easily adapted for different vehicle sizes and types
- eTNGA integrates the battery unit into the vehicle structure, giving extra rigidity and a low centre of gravity
- bZ4X available in front and all-wheel drive versions, bringing superior off-road capability to the BEV market
- Driving range of up to 318 miles for the FWD model, 286 miles with AWD*
- New for 2024 model year: additional Toyota Safety Sense systems, improved charging performance and energy-saving radiant foot heaters

The bZ4X is Toyota's first all-new battery electric vehicle (BEV). It breaks new ground, bringing genuine SUV off-road driving capability to the BEV market, and it accelerates Toyota's multi-technology path towards the goal of carbon neutrality.

Its quality and performance are founded on Toyota's world-leading experience in electrified vehicle technology, a heritage that spans more than a quarter of a century. The company has also worked with Subaru as its development partner for bZ4X, benefiting from the manufacturer's renowned expertise in areas such as all-wheel drive engineering.

This is not an adaptation of an existing model; it is wholly original and the first of a series of models across different market segments that will be constructed on a new Toyota platform dedicated to BEVs. This eTNGA platform integrates the battery unit into the chassis, entirely beneath the vehicle floor. The result is a strong and highly rigid framework and a low centre of gravity, defining factors in the car's stable and rewarding dynamic performance. The modular design allows it to be easily adapted for use in a wide range of different vehicle types, spanning small to larger segments.

Both front and all-wheel drive versions are available. The FWD model features a 150kW front-mounted eAxle that produces 201bhp and 266Nm maximum torque. The AWD model uses front and rear 80kW eAxles with a combined output of up to 215bhp and 337Nm of torque to gain genuine off-road performance with X-MODE, giving secure and stable performance when pulling away, cornering and driving on low-grip surfaces such as mud and snow.

The lithium-ion battery unit has a 71.4kWh capacity and comprises 96 cells which are water-cooled and constantly monitored individually for any signs of abnormality or degradation. Toyota's confidence in the quality of the battery is reflected in a guarantee it will retain at least 70 per cent of its capacity up to 10 years or one million kilometres (620,000 miles) driven (subject to an annual Toyota EV health check, terms and conditions apply).

The bZ4X has an official driving range (WLTP standard) of 318 miles for the FWD version and 286 miles for the AWD model*. All versions are equipped with an 11KW on-board charger, enabling rapid charging from 10 to 80 per cent capacity in around 35 minutes**.

TOYOTA MULTI-PATHWAY TECHNOLOGY ROUTE TO CARBON NEUTRALITY

- bZ4X is the first in a series of new Toyota BEVs due for launch in Europe
- Technology draws on a quarter of a century of Toyota leadership in electrified vehicles
- A key player in Toyota's multi-path technology strategy towards carbon neutrality

The Toyota bZ4X demonstrates how battery electric vehicles can do more than deliver zero emissions on the journey to carbon neutrality. Toyota sees BEVs as key contributors to better mobility for all, helping improve people's lives with freedom of movement, safety and peace of mind.

The name bZ4X references the size of the car – 4 for mid-size – and the vehicle type, in this case X for crossover SUV.

It reinforces the environmental leadership Toyota has achieved since making zero carbon its ultimate goal with the introduction of Prius, the world's first mass-market hybrid electric car, in 1997. Since then, the company has constantly developed and improved its hybrid technology to develop a multi-path approach to reducing and eventually eliminating carbon emissions, with hybrid, plug-in hybrid, battery electric and fuel cell electric models, and the use of carbon-neutral alternative fuels.

Toyota has a wholly human-centred philosophy that will bring new products and services with strong customer appeal, enhance the pleasure of driving, improve safety for all road users and help build better societies around the world. It has four core values:

Toyota's multi-pathway technology route to zero carbon

Toyota is a "full line-up" manufacturer of vehicles that can help everyone reduce their carbon footprint in all parts of the world. This includes hybrid, plug-in hybrid, fuel cell and battery electric vehicles.

Since the introduction of the original Prius in 1997, the company has put more than 20 million electrified vehicles on the road. Throughout this time, it has recognised that environmentally efficient vehicles can only be effective if they are used widely: this means they must be accessible and desirable for customers, meeting their mobility needs.

Carbon neutrality and the Toyota Environmental Challenge 2050

The elimination of carbon emissions figures strongly in Toyota's Environmental Challenge 2050, a series of six environmental targets set by the company in 2015. Toyota's global ambition is to eliminate CO_2 from its new vehicles, all its business operations, and the full vehicle lifecycle, including the manufacture of parts and materials, logistics and the processes for end-of-life recycling and disposing of vehicles.

By 2025, low and zero tailpipe emission electrified vehicles – hybrid, plug-in hybrid, battery electric and hydrogen fuel cell – will account for 90 per cent of Toyota's annual sales in Europe; by 2030, all new Toyota vehicle sales in the region will be electrified, 50 per cent of these with zero tailpipe emissions. At the same time, all Toyota's European plants and facilities will be carbon neutral.

Five years later (2035), Toyota's will be ready to offer a new car line-up in Europe that consists entirely of zero tailpipe emission models. This goal will be subject to enabling conditions being in place, such as an appropriate charging and refuelling infrastructure and a reliable supply of sustainable energy. By 2040, Toyota intends to be fully carbon-neutral in Europe, 10 years ahead of its global carbon neutrality target.

bZ4X: TECHNICAL DETAILS

- First model to feature Toyota's eTNGA philosophy, dedicated to electric vehicles
- Architecture central to achieving extensive cabin space and load compartment capacity

- Front-wheel drive model uses front-mounted 150kW motor; all-wheel drive model powered by 80kW front and rear motors
- New all-wheel drive with X-MODE brings authentic off-road capability to the electric vehicle market
- Extensive measures to maintain battery performance, backed by Toyota guarantee of 70 per cent of original capacity maintained after 10 years or one million kilometres (620,000 miles) driven, subject to an annual Toyota EV health check (terms and conditions apply)

eTNGA philosophy: a new modular architecture dedicated to BEVs

The bZ4X is the first car to be built on the Toyota's new BEV architecture, based on eTNGA philosophy and designed, optimised and dedicated to electric vehicles.

This completely new architecture has the flexibility to be used for potential future bZ models and is designed for production at scale. Critically, the slim battery unit is located fully beneath the vehicle floor and forms part of the chassis, helping achieve a low centre of gravity, ideal front/rear weight balance and high body rigidity.

The eTNGA's modular design means it can be easily adapted for use across a huge variety of vehicle types and sizes. It can accommodate batteries of different sizes and outputs and both (as in the case of bZ4X) front and all-wheel drive powertrains. The fixed elements are the position of the front and (if used) rear motors, the under-bonnet layout, the driver's position relative to the front wheels and the width of the battery unit; the changeable elements include the wheelbase, the number of battery cells and the front and rear overhangs. Thus, variations can be applied to meet different customer or model design requirements, using different front, centre and rear modules.

The platform's core qualities combine to give bZ4X stable and responsive dynamic performance, both with front and all-wheel drive. Its design allows the car to have a long wheelbase: at 2,850mm, this is 160mm longer than in the RAV4. The result is excellent interior space – both in the cabin and the load compartment. For rear seat passengers there is one-metre couple distance, a flat floor and generous leg room that's on a par with larger vehicles.

The flexible load space features an adjustable, two-level deck board and an underfloor

space that can add an extra 71mm to the load height when taller items need to be carried. With the rear seats in place and the deck board in the lower position, there is up to 452 litres (VDA) – room enough to carry three 82-litre suitcases or two mountain bikes. The rear seats can be split-folded 60:40 and have a reclining function. The space beneath the deck holds a toolbox and provides room for a warning triangle or the car's charging cable; the folding tonneau cover can also be neatly stowed.

Powertrain: front and all-wheel drive

The front-wheel drive bZ4X is powered by a high-response, front-mounted 150kW electric motor. It produces 201bhp and 266Nm of torque, enabling 0-62mph acceleration in 7.5 seconds and a top speed of 100mph.

The AWD model features separate front and rear 80kW motors driving the front and rear axles. Maximum power is 215bhp, with 337Nm of torque; the acceleration time from 0-62mph is reduced to 6.9 seconds. The use of power from the front and rear motors is optimised to achieve better overall power consumption. For example, only the front motor is used when only low drive torque is needed.

The bZ4X uses a new eAxle design that integrates the transaxle, motor and inverter in a single unit. Its light and compact design helps achieve shorter overhangs and a low centre of gravity for the vehicle and more cabin and load space. Used for the first time in the bZ4X, it benefits from the technical expertise Toyota has gained from more than 25 years designing electric motor-generators for its hybrid and plug-in hybrid electric models.

Numerous measures have been taken to reduce losses in the motor and inverter, including using a smaller stator and a high-speed/high-output rotor and adopting a low-viscosity oil for the transaxle. The transaxle geartrain has a simple three-axis design, while a pre-load differential and equal-length left and right driveshafts help ensure straight-line drivability.

The front eAxle includes an electricity supply unit (ESU) which brings together the power transformation functions in a single unit, bringing savings in size and weight. For example, components such as the branch box and DC relay which were contained in the battery pack in Toyota's previous BEV models have now been brought into the ESU, allowing the battery pack to be reduced in height, in turn helping achieve a low, flat cabin floor.

With the motor ECU located closer to the motor, there is quicker detection of any wheel-slip.

The rapid application of precise drive torque control dramatically reduces initial wheel-slip for more stable driving.

Regeneration boost

The high responsiveness of the electric motor allows for a regeneration boost function. Coasting deceleration is increased to 0.15G when the driver comes off the accelerator, operating with a natural feel and compensating for around 80 per cent of deceleration when driving.

X-MODE all-wheel drive system

Toyota worked with its development partner Subaru in engineering a new all-wheel drive system that draws on the great AWD heritage of both companies. This system creates an unprecedented new value for BEVs, giving the bZ4X a genuine off-road driving capability – a market first for an all-electric SUV.

The driver can choose from different X-MODE settings which tailor performance for snow/mud; deep snow and mud (speeds below 12.5mph); and provide Grip Control for tougher off-road driving (speeds below 6mph).

Using X-MODE with Grip Control allows the driver to concentrate on accurate steering, with the system taking care of vehicle speed when travelling uphill or on the level; when travelling downhill, the car's Downhill Assist Control provides a similar level of assistance.

Battery technology

The high-density lithium-ion battery comprises 96 cells and has a 355.2 voltage rating. Its gross capacity is 71.4kWh and it has an ambient temperature operating range of between -30 and +60°C.

Multiple monitoring of the voltage, current and temperature, from individual cell level, is key to the battery's quality and durability. If any abnormal heat generation is detected, controls are automatically triggered. Countermeasures have been put place to mitigate any material degradation, and there are safeguards in the manufacturing process to prevent foreign matter from entering the battery.

This is the first battery in a Toyota vehicle to adopt a water cooling system. This uses a refrigerant and helps maintain stable output, with each cell individually cooled. The system is linked to the vehicle's air conditioning system so there is power-efficient co-ordination of battery and cabin temperature control.

Thanks to an efficient and effective heating system, including a heat pump, reliability is also maintained in sub-zero temperatures.

Customers can be reassured that their car's battery will deliver year after year of reliable service with Toyota backing its quality with an extended care programme that guarantees the unit will maintain at least 70 per cent of its original capacity to up to 10 years from manufacture or one million kilometres (620,000 miles) driven (subject to an annual health check at an official Toyota retailer, terms and conditions apply).

Battery charging and driving range

For the 2024 model year, technical adjustments have been made to the battery heating system to reduce battery charging times in cold climates when using a DC fast-charging power supply. A new water-to-water heat exchanger and a heating adjustment valve have been added to the heating circuit to help increase battery temperature.

Toyota expects these changes to reduce the 10 to 80 per cent DC fast-charging times, especially in cold temperatures and below freezing point.

The battery can be fast-charged without compromising safety or service life: an 80 per cent charge can be achieved in around 35 minutes with a rapid charging system (CCS2).*.

The bZ4X's official WLTP performance data confirm the vehicle will deliver a generous driving range. The front-wheel drive model will achieve up to 318 miles on a fully charged battery**, with an efficiency rating of 4.4 miles/kWh; the all-wheel drive version has an official range of up to 286 miles with 4.0 miles/kWh efficiency.

Body rigidity

As described above, the eTNGA philosophy endows the bZ4X with fundamental high rigidity and a low centre of gravity; these are the basis for stable, responsive and rewarding performance. Further measures have been implemented to reinforce these qualities, for example, using a strengthened subframe for the radiator support which reduces weight at

the front of the car, reducing the moment of inertia and contributing to better turning performance. There is further weight saving in the front powertrain compartment, including aluminium cross-members, while the use of hot-stamped and high-tensile steels in key locations in the construction brings rigidity for superior impact performance without compromising vehicle mass.

The rear framework includes a double ring structure and a rear pillar support structure, maintaining good load space while providing rigidity to help withstand impact forces from multiple directions. A new, integrated front pillar section is 15 per cent thinner than those found in vehicles of comparable weight, yet is engineered to withstand forces from multi-directional impacts.

There are specific measures to protect the battery unit in the event of a front, rear or side impact. There is also an aluminium undercover that provides protection when travelling over rough surfaces.

Suspension, steering and braking

The bZ4X has a MacPherson strut front suspension design and double wishbones with trailing arms at the rear; both systems incorporate an anti-roll bar. The target was to achieve an ideal level of control and safety performance, leveraging the characteristics of the eTNGA philosophy to deliver ride comfort, stability and controllability.

The electronically controlled braking system uses front and rear ventilated discs, with performance tuned for easy control with a feel that strikes an optimum balance between effectiveness and rigidity. An electric parking brake is fitted as standard.

The rack-and-pinion electric power steering adjusts the level of assistance in line with vehicle speed. At a future date, the bZ4X will be available with One Motion Grip, a new steer-by-wire system.

Wheels and tyres

According to model grade, the bZ4X uses 18 or 20-inch wheels. The 18-inch alloy rims use a full resin cover in silver and black that has a flat surface aero design and a series of small

holes to help with brake cooling; the 20-inch five-double-spoke wheels have a contrast black and machined finish with grey resin accents. Tyres are 235/60R18 or 235/50R20.

DESIGN AND LIFE ON BOARD

- Exterior design explores the styling freedoms offered by a battery electric vehicle
- “Hi-Tech and Emotion” design theme blends advanced BEV looks with original SUV qualities
- Frontal design presents new signature Toyota BEV “hammerhead” shape
- Cabin design and lay-out evoke the comfort and space of a living room

Toyota has produced a sleek and robust design for the bZ4X that’s equally appropriate for modern urban life and the countryside, blending the advanced look of a BEV with the original qualities of an SUV. The theme for the design team was “Hi-Tech and Emotion,” challenging conventions while meeting customer expectations with an advanced feel and high-quality surfaces.

The frontal appearance is smart and avoids unnecessary decoration. It is characterised by a new brand-defining “hammerhead” shape with signature slim LED headlight units and an emphasis on the front corners that communicates the car’s strong stance.

In side view, the silhouette is sleek with a low overall height, slender front pillars and a low axis line that reflects the low centre of gravity. Wheel arch mouldings, large wheels (up to 20-inch diameter) pushed out to the corners of the body and thick rocker panels express the car’s authentic SUV character. At the rear, the design focus is again on emphasising the corners, with a distinctive taillight bridging the width of the vehicle.

Compared to the Toyota RAV4, the bZ4X has an overall height that’s lower by 85mm, shorter overhangs and a wheelbase that that’s 160mm longer. The bonnet line is also lower in height by 50mm. Overall agility is reflected in a class-leading 5.7m turning radius.

The design incorporates aerodynamic elements that contribute to the driving range, including apertures set deep in the front bumper corners to create smooth air curtains; a full underbody cover; a split roof spoiler (Motion and Vision grades); rear diffuser; and a precisely angled rear screen. The slim lower grille has a shutter that adjusts to channel cooling air flow to the battery and helps reduce wind resistance.

To reduce intrusive noise, thicker glass is used in the side windows and there is a wider, uniform gap between the door mirror and front three-quarter panel, reducing the sound produced by wind turbulence.

The bZ4X is available in six colours, including new Precious Metal and Sterling Silver.

Design – interior

The interior comfort and spaciousness create the ambience of a living room, a sense that's enhanced by soft, woven trim textures on the dashboard, satin-finish detailing and the option of a Skyview fixed panoramic roof (Motion and Vision grades specified with bi-tone paintwork).

The instrument panel is slim and low set, adding to the sense of openness and the driver's forward visibility. This design has been made possible thanks to a new air conditioning unit that is 30 per cent more compact.

The "hands on the wheel, eyes on the road" principle is supported by the human-centred cockpit in which the seven-inch TFT instrument and information display sits directly in the driver's forward eyeline, top-mounted above the line of the steering wheel, so the meters can be viewed with minimal eye movement.

The centre console is the focus of the "social" quality of the cabin design, accessible for everyone on board and offering a total of 20 litres of storage space. This includes an open area beneath the console, suitable for a pair of shoes or handbag, and individual spaces to carry everything from a smartphone to a tablet and large bottle. In a neat touch, the smartphone cubby has a transparent lid so you can see at a glance if you have received an alert.

According to the multimedia system specified, the bZ4X has an eight-inch display or 12.3-inch touch screen. The large display is used for the latest Toyota Smart Connect system, with advanced functions and improved voice recognition control to access information and entertainment and to operate a number of vehicle functions, such as the air conditioning and windows.

The driver's multimedia options include useful connected services that can be accessed using the Toyota MyToyota app. Of particular value to drivers of the bZ4X and other Toyota

BEVs is the access it can provide to the Toyota Public Charging Network, one of the world's largest network of charging points. Contributing to Toyota's *kanzen* approach to giving owners complete peace of mind, customers can sign up to the service, choose their preferred tariff and use the app to find available charging stations nearby and make automatic payments. The status of individual charging points can also be checked using the app.

Other current MyToyota functions include "find my car," which retrieves the vehicle's location and can provide details on a map, together with navigation directions if required. "Share to Car" allows for journeys to be planned and then sent to the car's navigation system, while "Car to Door" gives directions for the last part of a journey after the vehicle has been parked. Driving analytics, service reminders, the level of battery charge and remote activation of the hazard lights are also available through the app.

The car can be locked and unlocked remotely and you can check the car's status – whether windows or roof are open, the doors unlocked, the lights on or the key left inside the vehicle.

Instead of a conventional shift lever, the bZ4X has a new dial control: the outer section is depressed and turned to the left or right to select drive or reverse. The P (Park) setting is a one-touch button immediately behind the dial control.

LED cabin lighting is featured in the front footwells, centre console, door panels and door handles and the load space. On higher grade models, rear footwell lighting is provided, the driver's seat is power-adjustable and both front seats have integrated heating and ventilation. Upholstery options are perforated leather or synthetic leather; synthetic leather with fabric; or all-fabric. Colour-way choices are black-on-black or a combination of light grey and black.

SAFETY AND DRIVER ASSISTANCE

- Comprehensive safety and driver assistance features
- Provisions include the latest generation of Toyota Safety Sense, with preventive safety systems to provide even greater protection against common accident risks
- Introduction of automatic flashing rear hazard lights for 2024
- Seamless over-the-air system software updates

The bZ4X benefits from the wide-ranging support from systems that help safeguard against accidents, provide protection in the event of an impact and assist the driver when it comes to making manoeuvres, whether parking the car on a crowded city street or driving in motorway traffic. Drivers can be confident that their car is always looking out for them.

The advanced technologies are designed to protect everyone on board and also other road users, helping Toyota progress towards the goal of future mobility with no accidents or road traffic injuries.

Vehicle accident research in the USA (Impact Research LLC, September 2019) shows that vehicles equipped with Toyota Safety Sense were 37 per cent less likely to strike a vehicle in a front-to-rear crash compared to vehicles not using the technology. The researchers declare that the results of this and previous studies show that the widespread deployment of automatic emergency braking (as featured in Toyota Safety Sense's Pre-Collision System), could help prevent thousands of related deaths and injuries every year.

On the bZ4X, provisions the latest generation of Toyota Safety Sense, with preventive safety systems that have been developed to provide greater functionality and more detailed monitoring of the car's surroundings and other road users.

For example, making a left or right turn across the flow of traffic at a busy intersection presents hazards not just from oncoming and crossing traffic, but also from pedestrians or cyclists crossing the road you are turning into. The bZ4X has the latest version of the Pre-Collision System (PCS) which constantly monitors the road for these risks, warning the driver or initiating emergency braking if an impact is deemed imminent.

A pedestrian stepping off the kerb, or a vehicle stranded on the roadside can prompt the driver to swerve. The PCS is primed to help with Emergency Steering Assist, helping steer around the hazard while keeping the car stable and within its traffic lane. The system also recognises when there's a risk of a collision from sudden, sharp acceleration during low-speed driving, automatically regulating driving force and providing braking control.

Even a brief loss of concentration can cause a car to wander off-course; with Lane Trace Assist, the bZ4X will keep faithfully to its correct path, guided by the markings on the road, or, if necessary, the road margin or the vehicle ahead. Here the safety aspect includes reducing the burden on the driver on long highway journeys. The system will co-operate with the Dynamic Radar Cruise Control, so the vehicle's speed is safely adjusted when travelling

through a highway bend. It also keeps an eye on the driver's use of the steering wheel, brakes and accelerator pedal: if they are not used for a certain amount of time, it will initiate an Emergency Driving Stop System. On higher grade models, the level of monitoring is increased with the use of a camera to check on the driver's head position.

It's not always possible to see every road sign you pass, but on main roads and highways the Road Sign Assist gives the driver a reminder of the principal commands, warnings and the speed limit.

When it comes to looking out for other road users, Safe Exit Assist helps avoid the common risk of inadvertently opening a car door into the path of a vehicle, cyclist or pedestrian approaching from the rear. It uses the car's Blind Spot Monitor to scan the road and flash a warning should driver or passenger be about to open the door and risk a collision.

For peace of mind and complete customer convenience, Toyota is able to provide seamless software revisions and upgrades over-the-air, via the car's DCM (data communications module; models equipped with compatible multimedia system).

Added safety with automatic flashing rear hazard lights

The 2024 update programme introduces a new feature to help prevent rear-end collisions, for example in a motorway traffic tailback. Provided on Motion and Vision models, this uses the Blind Spot Monitor radars to detect when there is a risk of a collision with a vehicle approaching from the rear, automatically activating the rear hazard lights to alert the other driver.

UK MODEL RANGE

The bZ4X range comprises three equipment grades.

The **Pure** grade (FWD only) is the entry point to the line-up, with features including 18-inch alloy wheels with wheel caps, Toyota Smart Connect multimedia system with eight-inch display, seven-inch digital combimeter, reversing camera, smart entry and start and a climate control system with an energy-saving heat pump and a remote operation function that lets owners warm up or cool their car ahead of a making a journey.

The bZ4X **Motion** introduces automatic flashing rear hazard lights, a rear spoiler, rear privacy glass, power back door, parking sensors, windscreen wiper de-icer and an entry illumination sequence. The cabin has heated front seats and steering wheel – the driver's

seat with eight-way power adjustment – an ambient lighting system, 12.3in Toyota Smart Connect+ multimedia display and a wireless charging tray. Options include a Skyview fixed panoramic roof (with bi-tone paintwork option),.

Customers can choose the bZ4X Motion with front-wheel drive or all-wheel drive with Toyota's new electric X-MODE system.

The **Vision** grade is at the top of the regular model line-up with a prestige specification that includes new radiant foot heaters, five-double-spoke 20-inch alloy wheels, rear parking sensors with auto-brake function, Advanced Parking Assist, synthetic leather seat upholstery, heated and ventilated front seats, power back door and a heated steering wheel. Options include the Skyview roof and towing pack. As with the bZ4X Motion, front-wheel drive and X-MODE AWD drive versions are available.

Up to 10 years' manufacturer's warranty

In common with every new Toyota, bZ4X is eligible for Toyota warranty protection for up to 10 years or 100,000 miles (whichever comes first). This comprises an initial three-year manufacturer warranty, followed by up to a further seven years of service-activated warranty.

For the first three years of the car's life, owners can have it serviced at a place of their choice. When the new car warranty period expires, they can then benefit from an additional 12 months (or 10,000 miles) warranty when their vehicle has a qualifying service at an authorised Toyota workshop. The warranty is provided at no extra cost, up to a limit of 10 years/100,000 miles. Terms and conditions apply; full details are available at www.toyota.co.uk.

* Indicative charge times shown, for comparison purposes. A charge from a 10% to 80% can be achieved in around 35 minutes with 150kW DC charging in optimal conditions, such as a temperature between 25° and *30*°C. Actual charging times may vary depending on various factors, including the age, type, condition and temperature of the charging unit and the battery, the starting charge and environmental conditions such as the outdoor temperature at the point of use. Charge times may be longer in colder weather and if battery temperature activates safeguarding technology. 150kW chargers are available in many locations in mainland Great Britain – see Zap Map for details.

**318-mile range for the Pure FWD grade only. Electric range figures are provided for comparability purposes and can vary depending on factors such as selected grade and transmission, accessories fitted (post registration), driving style, weather conditions, speed or vehicle load. It is recommended electric range figures are only compared with other cars tested to the same technical procedures. These figures may not reflect real life driving results.

TOYOTA bZ4X TECHNICAL SPECIFICATIONS

DRIVETRAIN		FWD	X-MODE AWD
Electric motors			
Type		AC permanent magnet, synchronous motor	
Total power (bhp/DIN hp/kW)		201/204/150	215/218/160
Front motor max. power (bhp/DIN hp/kW)		201/204/150	107/109/80
Rear motor max. power (bhp/DIN hp/kW)		-	107/109/90
Max. torque (Nm)		266	337
Battery			
Type		Lithium-ion	
Nominal voltage		355	
Capacity (kWh)		71.4	
Number of cells		96	
PERFORMANCE		**FWD**	**X-MODE AWD**
0-62mph (sec)*		7.5	6.9
Max. speed (mph)*		100	
Driving range (miles, WLTP)	Pure	317	-
	Motion	312	286
	Vision	277	259
	Premiere Edition	-	257
Electric energy consumption (combined, miles/kWh)		4.4	4.0
DIMENSIONS		**FWD**	**X-MODE AWD**
Overall length (mm)		4,690	
Overall width – excluding mirrors (mm)		1,860	
Overall height (mm)		1,600	
Wheelbase (mm)		2,640	
Track front (mm)		1,600	
Track rear (mm)		1,610	
Front overhang (mm)		915	
Rear overhang (mm)		925	
INTERIOR DIMENSIONS		**FWD**	**X-MODE AWD**
Interior length (mm)		1,940	
Interior width (mm)		1,515	
Interior height (mm)		1,109 1,160 (1,146 with Skyview roof)	
Load capacity (inc. under deckboard, VDA litres)		452	
WEIGHTS		**FWD**	**X-MODE AWD**
Kerb weight (kg)		1,910-1,970	2,000-2,060
Gross vehicle weight (kg)		2,465	2,550
Towing capacity (kg)		750	
INSURANCE, SERVICING & WARRANTY			

Insurance group		35E - 39E
Service intervals		10,000 miles/annually
Comprehensive new vehicle warranty		3 years/60,000 miles
Battery warranty		8 years/100,000 miles 10 years/600,000 miles with EV Care Battery Health Check
Corrosion/perforation warranty		12 years/unlimited mileage
Surface rust/paintwork		3 years/unlimited mileage
SUSPENSION		
Front		MacPherson strut
Rear		Trailing arms
BRAKES		
Front		Ventilated discs
Rear		Ventilated discs
Parking brake		Electronic
STEERING		
Type		Rack and pinion, electric power steering
Turns (lock to lock)		2.81
Min. turning radius (m)	Tyre	5.6
	Body	6.1
WHEELS & TYRES		
Wheel and tyre size		18in, 235/60R18 20in, 235/50R20
OFF-ROAD PEFORMANCE		
Angle of approach (deg)		17.4
Angle of departure (deg)		25.6
Min. running ground clearance (mm)		177 (with one passenger)
Wading depth (mm)		500

These specifications are a guide for media only. Customers wishing to check the specification of a specific vehicle should contact their local Toyota centre or visit www.toyota.co.uk.

TOYOTA bZ4X EQUIPMENT SPECIFICATIONS

SAFETY		PURE	MOTION	VISION
Toyota Safety Sense	Pre-Collision System with Intersection Turn Assist, Emergency Steering Assist	✓	✓	✓
	Intelligent Adaptive Cruise Control	✓	✓	✓
	Lane Trace Assist	✓	✓	✓
	Lane Departure Alert	✓	✓	✓
	Road Sign Assist with speed limiter	✓	✓	✓
	Emergency Driving Stop System	✓	✓	✓
	Low-speed acceleration suppression	✓	✓	✓

	Automatic High Beam (AHB)/Automatic High-beam System (AHS)	✓ (AHB)	✓ (AHS)	✓ (AHS)
	Proactive Driving Assist	✓	✓	✓
	Automatic flashing rear hazard lights	✗	✓	✓
Driver monitor		✗	✓	✓
Driver's airbag		✓	✓	✓
Front passenger airbag with cut-off switch		✓	✓	✓
Front centre airbag		✓	✓	✓
Front side airbags		✓	✓	✓
Rear side airbags		✓	✓	✓
Curtain shield airbags		✓	✓	✓
ISOFIX child seat fixings on outer rear seats		✓	✓	✓
Front and rear seatbelt fastening reminder		✓	✓	✓
Hill-start Assist Control (HAC)		✓	✓	✓
Downhill Assist Control (DAC)		✓	✓	✓
Automatic door locking		✓	✓	✓
Tyre pressure warning system		✓	✓	✓
Rear Cross Traffic Alert		✗	✓	✓

Blind Spot Monitor (BSM)	×	✓	✓
Safe Exit Assist	×	✓	✓
Driver monitoring camera	×	✓	✓
eCall	✓	✓	✓
INSTRUMENTS & CONTROLS	**PURE**	**MOTION**	**VISION**
7in colour multi-information display	✓	✓	✓
Electronic parking brake	✓	✓	✓
Automatic headlight levelling	×	✓	✓
X-MODE all-wheel drive	×	Opt	Opt
COMFORT & CONVENIENCE	**PURE**	**MOTION**	**VISION**
Front and rear power windows with auto up/down	✓	✓	✓
Auto-dimming rear-view mirror	✓	✓	✓
Reversing camera	✓	✓	✓
Front parking sensors, with automatic braking (object hazards)	×	✓	✓
Rear parking sensors with automatic braking (objects and vehicles)	×	✓	×
Rear parking sensors with automatic braking (objects, vehicles and pedestrians)	×	×	✓
Parking Assist	✓	✓	✓
Advanced Parking Assist	×	×	✓
Panoramic View Monitor	×	✓	✓
Tilt and telescopic steering wheel adjustment	✓	✓	✓
Three-spoke steering wheel	✓	✓	✓
Heated steering wheel	×	✓	✓
Auxiliary switches on steering wheel	✓	✓	✓
Automatic windscreen wipers	×	✓	✓
Automatic headlights	✓	✓	✓
Automatic headlight levelling	✓	✓	✓
Smart entry and push-button start	✓	✓	✓
Illuminated entry system	✓	×	×
Illuminated entry system inc. footwell lights	×	✓	✓
Power back door	×	✓	✓
Power back door with kick-sensor	×	×	✓

Front wiper de-icer	×	✓	✓
Push-button back door release	✓	✓	✓
Back door remote release on key fob	✓	✓	✓
12V power outlet in front cabin	✓	✓	✓
Retractable tonneau cover	✓	✓	✓
Underfloor boot storage	✓	✓	✓
Dual-zone automatic air conditioning	✓	✓	✓
Energy-saving heat pump	✓	✓	✓
Radiant foot heaters	×	×	✓
AUDIO, COMMUNICATION & INFORMATION	**PURE**	**MOTION**	**VISION**
6-speaker audio system	✓	✓	✓
8in Toyota Smart Connect multimedia display	✓	×	×
12.3in Toyota Smart Connect+ multimedia display	×	✓	✓
Cloud-based navigation	✓	✓	✓
Embedded satellite navigation	×	✓	✓
Voice assistant	✓	✓	✓
DAB radio	✓	✓	✓
Apple CarPlay (wireless) & Android Auto (wired) smartphone connection	✓	✓	✓
Wireless smartphone charger	×	✓	✓
Bluetooth	✓	✓	✓
USB connection (x2 front, x2 rear)	✓	✓	✓
Data Communication Module (DCM)	✓	✓	✓
Access to connected services with MyToyota app	✓	✓	✓
SECURITY	**PURE**	**MOTION**	**VISION**
Transponder engine immobiliser	✓	✓	✓
Remote control central double locking	✓	✓	✓
Intrusion alarm with tilt and breaking glass sensors	✓	✓	✓
SEATING, UPHOLSTERY & TRIM	**PURE**	**MOTION**	**VISION**
60:40 split-fold rear seats	✓	✓	✓
Power adjustable driver’s seat	×	✓	✓
Driver’s seat memory function	×	×	✓
Front passenger seat height adjustment (manual)	✓	✓	✓
Heated front seats	×	✓	✓
Ventilated front seats	×	×	✓

Power lumbar adjustment on driver's seat	×	✓	✓
Black fabric upholstery	✓	×	×
Combination black fabric/synthetic leather upholstery	×	✓	×
Black synthetic leather upholstery	×	×	✓
Light blue ambient cabin lighting	×	✓	✓
EXTERIOR & BODY	**PURE**	**MOTION**	**VISION**
LED headlights	✓	✓	✓
Follow-me-home headlight function	✓	✓	✓
LED daytime running lights	✓	✓	✓
LED front fog lights	✓	✓	✓
LED rear lights	✓	✓	✓
LED turn indicators	✓	✓	✓
Skyview fixed panoramic roof	×	Opt	Opt
Rear privacy glass	×	✓	✓
Rear spoiler	×	✓	✓
Black lower grille	✓	✓	×
Satin-plated lower grille	×	×	✓
Black roof rails	✓	✓	✓
Shark fin antenna	✓	✓	✓
Power-adjustable heated door mirrors	✓	✓	✓
Memory function for door mirrors	×	×	✓
Metallic/pearlescent paint	Opt	Opt	Opt
18in alloy wheels with wheel caps	✓	✓	×
20in alloy wheels	×	×	✓
Tyre repair kit	✓	✓	✓

These specifications are a guide for media only. Customers wishing to check the specification of a specific vehicle should contact their local Toyota centre or visit www.toyota.co.uk.

ENDS