



PRODUCT INFORMATION

TOYOTA URBAN CRUISER

Expanding BEV choices in the B-SUV segment

UMW Toyota Motor (UMWT) extends its range of Battery Electric Vehicles (BEV) with the addition of the new Toyota Urban Cruiser that will enter the SUV B-segment of the growing BEV market in Malaysia. Following the flagship bZ4X, the Urban Cruiser is designed to provide a sophisticated, versatile, and zero-emission option in line with Toyota's Multi-Pathway approach.

The Urban Cruiser is imported CBU (completely built-up) from India and sold in selected ASEAN and European markets.

Developed under the concept of a 'Sophisticated Versatile Cruiser', this all-electric SUV combines an 'Urban Tech' design language with a dedicated BEV platform to deliver a premium driving experience without compromising the practicality expected of a Toyota SUV.

EXTERIOR DESIGN

The Urban Cruiser features a design theme that blends a high-tech image with emotional appeal. The 3-dimensional form gives a sense of forward motion for an advanced and strong feel. Its SUV character is evident in the strong lower body treatment and robust sill and wheelarch mouldings with lower bumper sections.

The 'hammerhead' front end, a Toyota design style, is accentuated by a slim margin line around its leading edge. The visual effect is enhanced by slim headlight units with light guides for the horizontal LED daytime running lights and turn indicators, and a U-shaped garnish around a bi-LED that projects both headlight high and low beams. A strongly defined lower bumper with a gloss black finish accentuates the car's wide stance.

At the rear, a powerfully designed rear lighting unit spans the width of the back door and wraps around into the car's muscular shoulders. LED lights are arranged in parallel lines to create a distinctive illumination signature.

Being a BEV, aerodynamic efficiency is very important to minimise wind resistance for maximum range. The silhouette of the Urban Cruiser is optimised to smoothen airflow and reduce drag. The 18-inch alloy wheels (with 225/55R18 tyres) also contribute to rolling efficiency with their light weight and an aerodynamically tuned cover.



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The dimensions of the Urban Cruiser – 4285 mm in length, 1800 mm in width, 1635 mm in height on a wheelbase of 2700 mm – give a compact footprint that is ideal for urban motoring while providing a generous interior volume.

Customers can choose from four exterior colour finishes – Pearl Arctic White, Pearl Bluish Black, Grandeur Grey and Land Breeze Green.

INTERIOR DESIGN & FEATURES

The interior of the Urban Cruiser is designed with the advanced feel of an EV and the sophisticated toughness and functionality of an SUV. The authentic SUV character is further reflected in a high driving position, with excellent all-round visibility, for driver and passengers alike.

The raised centre console places key controls within close reach of the driver to allow him or her to maintain focus on the road ahead. They include a dial-type shift selector and electronic parking brake switch, with a charging pad for wireless smartphone charging integrated in the design, which forms a bridge over a handy open storage tray. Additional USB ports are also available for device connection and charging using cables.

Information is presented on an integrated vertical panel – a 10.25-inch display that serves as an instrument panel for the driver and a 10.1-inch High-Definition LCD Multimedia Display for the infotainment system. Clarity, ease of use and personalisation are the key qualities of both displays.

The 10.25-inch display shows driving information and has switchable areas on the right and left sides that can show content from the centre display. The content could be the selected music track, clock, route guidance map or the status and function of the electric drivetrain.

The 10.1-inch display has 5 switchable screens showing air-conditioner controls, assistive driving function, charging schedule settings, EV settings and vehicle settings. The home screen shows apps mirrored from a smartphone via Apple CarPlay or Android Auto connectivity. A premium JBL audio system is provided as standard.

The overall colour theme of the 3050 mm long cabin is brown with the seats having a brown and black combination. The roof and pillar lining are deep black to express a sense of quality and make the cabin trim, ambient lighting and integrated display stand out, while soft pad garnishes on the instrument panel and doors are a rich brown with a low-gloss geometric pattern.



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A sense of quality and sophistication come from dark silver, piano black and satin metallic trim. Variable-colour ambient lighting is a premium feature on this model. The lighting indirectly illuminates the 3D textured pattern of the console middle tray and front door trims, and is controlled via the centre display. Drivers can choose from 12 different lighting colours and 7 levels of dimming to set the mood for every journey.

The front seats have a contemporary form-hugging design with pronounced side bolsters to support the body. The sophisticated look and toughness of the seat upholstery is achieved by using a combination of 3 different materials - perforated synthetic leather, breathable melange jersey and brown synthetic leather. The highly breathable melange jersey was chosen specifically to add a sense of newness and lightness.

With a convenient sliding rear seat system, the couple distance between the front and rear passengers can be adjusted in a range from 807 mm to 967 mm (comparable to larger SUVs). The rear backrests are divided 40:20:40 and can also be reclined. With the folding backrests, the interior is easily adapted for extra passenger comfort or extended load space, according to need.

The cargo area measures 675 mm deep, 1020 mm wide and 659 mm high. With the rear seats folded, the floor length can extend to 1455 mm. Depending on the position of the rear seats, the available volume can be from 238 litres to 562 litres (all backrests folded).

Convenience features for the rear passengers include 2 USB ports (1 Type A and 1 Type C) in the rear of the centre console and a centre armrest with 2 cupholders.

Overhead is a glass roof with a width of 804 mm and length of 489 mm. When required, a sunshade can close off the opening for comfort. Besides adding a sense of expansive freedom to the driving experience, this feature also gives the Urban Cruiser a premium ambience.

FULLY ELECTRIC DRIVETRAIN

The Urban Cruiser's fully electric drivetrain has an eAxle which incorporates an electric motor, inverter and reduction gears. A small-diameter motor and long shaft keep the overall dimensions compact to save space. Output from the motor is 128 kW (174 PS) with maximum torque of 193 Nm.



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The driver can choose from 3 primary driving modes - ECO, NORMAL and SPORT - to suit personal preference or driving conditions. The shift-by-wire system electrically switches driving modes at the turn of the dial on the centre console.

Additionally, there is also a Pedal Mode (also referred to as 1-Pedal mode) which controls the deceleration speed when ease off the accelerator pedal. There are 3 levels of deceleration that can be set.

Because electric motors typically generate high torque from standstill, wheelspin can occur on slippery surfaces. To mitigate this, the driver can activate Snow mode, which moderates torque delivery to help reduce wheel slippage on slippery roads.

The 61.1 kWh battery pack uses lithium-iron phosphate chemistry which offers a long cycle life, enhanced safety, and environment friendliness. It can provide a range of up to 426 kms with a full charge.

Charging the battery is done from the left side with ports for DC and AC charging connectors. Rapid-charging with a DC power supply that can be done within 50 minutes (15% - 80%), while AC charging with a 7 kW supply can be done within 9.5 hours (15% - 100%).

There is also a 'My Room' charging mode that allows drivers to use the air conditioner and audio system so they will be comfortable if they choose to remain inside the vehicle while charging is in progress.

CHASSIS DESIGN

The BEV-dedicated platform of the Urban Cruiser incorporates a suspension system designed and tuned for comfort, stability, responsive steering performance and low noise and vibration. A MacPherson strut arrangement is used at the front and a multi-link system at the rear. High-rigidity components in the rear set-up help maintain good tyre contact with the road and improve ride comfort when travelling over uneven ground.

All four wheels are equipped with ventilated disc brakes, with the front ones having 2-piston calipers. An electric parking brake is provided as standard, with a convenient brake hold function.

Although the Urban Cruiser has relatively long wheelbase, its turning radius is just 5.2 metres, making for easy manoeuvring in city streets and tight parking spaces.

SAFETY TECHNOLOGIES



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The Urban Cruiser has a comprehensive set of technically advanced active safety and driver assistance features. Besides the radar and monocular camera which scan the road ahead, there are also sensors and cameras around the vehicle to provide 360-degree coverage of the surroundings.

The Brake Support System analyses imagery captured by the forward sensors to identify pedestrians, motorcyclists, cyclists and other vehicles and determines if there is a collision risk. If there is, the system will first alert the driver to take action and, if the correct action is not taken, activate the brakes to avoid a collision or reduce the consequences of an impact. If a collision does occur and an airbag is inflated, multiple collision braking is activated to help prevent a secondary impact.

Adaptive Cruise Control (ACC) with Lane Keep Assist (LKA) is also available to reduce fatigue when driving long distances on highways. ACC has additional 'intelligence' compared to conventional cruise control as it can maintain a safe distance from a vehicle ahead by reducing the speed.

Unlike some ACC systems, the one in the Urban Cruiser remains active even when the vehicle has to come to a stop because the vehicle ahead stopped. When the vehicle ahead moves off, the Urban Cruiser will also resume its forward movement under ACC.

If the driver wishes to overtake and activates the turn signal to indicate the intention, the ACC will also assist with acceleration and deceleration when merging into the adjacent lane. In the event that the situation is not suitable for overtaking, the system will reduce the speed to prevent overtaking. Lane Departure Prevention helps keep the car safely within its driving lane.

The camera and radar also determine the brightness of the road ahead and surroundings at night. The Adaptive High Beam System (AHS) then adjusts the brightness and illumination range of the headlamps as needed. It also adjusts high beam brightness and illumination angle according to vehicle speed, and switches to low beam in well-lit areas. The detection of oncoming vehicles will also set the headlights to low beam to avoid dazzling other drivers.

Radar sensors at the rear constantly scan the area to the sides and behind the vehicle (the blind spot). If a vehicle is detected, a warning will be shown on the relevant door mirror. Should the driver still not be aware and intend to turn or make a lane change by turning on the signals, the warning will flash and there will also be a warning sound. Incidentally, the door mirrors have heating elements under their surface to prevent fogging.



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The same sensors for the Blind Spot Monitor also scan the area directly behind and to the sides for the Rear Cross Traffic Alert (RCTA) system. This system alerts the driver of vehicles approaching from either side as it is reversing out of a parking bay.

A 360-degree camera system uses four cameras around the car to provide a complete view of the surroundings, making it easier to manoeuvre in tight spaces. Besides a bird's eye view, there are also 3D and eye-level views to enable the driver to have a better look in certain areas.

With regards to passive safety, the structure of the Urban Cruiser incorporates energy-absorbing members to protect the battery pack in the event of a collision, with 7 SRS airbags.

AFTERSALES SUPPORT

As with all Toyota models imported and distributed by UMWT, replacement parts for the Urban Cruiser are assured and full aftersales support is available at the nationwide service network. The vehicle is covered by a 5-year/unlimited mileage warranty, with the battery and related EV drivetrain components having an 8-year/unlimited mileage warranty.

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