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THE LEXUS UX 300e

INTRODUCTION

- Lexus's first all-electric vehicle, combining the world-class quietness and refinement of the brand's vehicles with a new Lexus Electrified driving experience
- Sharing the striking design and *takumi* craftsmanship of the original UX compact urban SUV
- Reliability and battery durability founded on Lexus's 15 years of market leadership in hybrid electrification
- Enhancements for 2023 model year include increase in driving range of more than 40 per cent, to up to 279 miles
- New multimedia systems – Lexus Link Pro and Lexus Link Connect – with greater functionality and larger displays
- More capabilities added to Lexus Safety System+ active safety and driver assistance systems

The first all-electric Lexus, based on the UX compact urban SUV, leverages the company's long-standing premium market leadership in manufacturing electrified hybrid cars.

It benefits from a series of enhancements for the 2023 model year with wide-ranging updates that strengthen its appeal. The most notable change is the introduction of a new battery system which increases driving range by more than 40 per cent, to up to 279 miles in the combined WLTP cycle. Meanwhile, the Lexus Electrified driving experience benefits from detailed alterations to the car's suspension, body, and chassis.

Inside the car, the most evident improvement is the revised multimedia system. This has greater connectivity, faster and easier operation, cloud-based navigation, and larger eight and 12.3-inch touchscreens. The interior is also offered with new upholstery choices.

The upgraded UX 300e debuted in UK showrooms in spring 2023. Its sister model, the self-charging hybrid electric UX 250h enjoyed a series of upgrades in summer 2022.

Lexus Electrified

Lexus has achieved a series of significant firsts in electrified powertrains since the launch of the RX 400h, the world's first premium electrified hybrid, in 2005.

The Lexus Electrified vision, announced alongside the LF-30 Electrified concept at the 2019 Tokyo Motor Show, targets a fundamental leap in vehicle performance, handling and control and driver enjoyment, even as mobility continues to evolve towards autonomous driving and vehicle electrification.

Evoking the original fun of driving, Lexus is developing an integrated approach to electric motor control and other electrification technologies to raise the level of driving pleasure and transform the essence of luxury vehicles for the future. Lexus Electrified also embraces the development of next generation hybrid electric, plug-in hybrid electric, battery electric and fuel cell electric vehicles.

A Lexus best-seller goes electric

The UX 300e is part of the UX compact SUV family that Lexus launched early in 2019. Since then, the UX has become the best-selling Lexus in Europe and the UK. As the first production model to appear under the Lexus Electrified banner, the UX 300e was developed for urban performance. The engineers kept the distinctive design and utility characteristics of the UX intact, while focusing on the opportunity to build on the performance advantages that are unique to BEVs.

The drivetrain is optimised for urban driving and features a high-output 201bhp/150kW electric motor/generator that gives the car natural yet brisk acceleration. It is powered by a new, high-capacity 54.35kWh battery located under the cabin floor. This gives a driving range of 196 miles (17-inch wheels, WLTP data).

In common with the rest of the UX family, the UX 300e is built on Lexus's GA-C global architecture platform. The light yet super-rigid structure (made even stronger by the underfloor battery and cross members which support it), a low centre of gravity (helped by the low position of the battery and electric motor) and tuned suspension combine to deliver precise steering, agile handling and ride comfort, together with a distinctive Lexus Electrified driving character.

ELECTRIFIED COMPACT SUV DESIGN

The UX 300e shares a number of Lexus design features with the hybrid electric UX 250h, such as the signature spindle grille, sculpted character lines and an athletic, coupe-like roof line. At the front, the daytime running lights are arranged in a distinctive arrowhead shape

above the headlights, emphasising the Lexus L-shaped lighting design. According to model grade or option, the headlights are single-projector dual-beam or ultra-slim triple-projector units

Exclusive wheels

The 17 and 18-inch wheels have been created especially for the UX 300e and both designs have machined finish. As on the standard UX, the 17-inch wheels are aero-ventilating, with flaps on each side of the spokes. Similar in shape to the Gurney flaps found on the rear wings of Formula 1 race cars, these regulate airflow and create vortices that increase downforce. This innovative design contributes to more confident driving, with stable braking performance, increased cooling efficiency and reduced air turbulence along the side of the car.

Enhanced aerodynamics

The UX's established aerodynamic rear combination light reduces air pressure changes by about 16 per cent and contributes to excellent rear-end stability when cornering or driving in sidewinds. The UX 300e additionally features aerodynamic shutters in the front grille, which, depending on the level of battery charge, automatically open and close, reducing the vehicle's coefficient of drag to 0.31. When the airflow generated exceeds what is needed for cooling, the shutters close, optimising the amount of air entering through the grille.

Also unique to the UX 300e, the underfloor covers have been enlarged and the bottom surface of the battery has been made flat and smooth, improving the aerodynamic performance of the underbody structure.

Bespoke design features

In common with the established UX range, the new UX 300e has a cabin inspired by the traditional Japanese architectural concept of *engawa* by which inside and outside are seamlessly connected. This design approach gives the driver a better sense of the car's extremities, making it easier to manoeuvre in tight urban spaces.

As with all UX models, key controls are clustered around the driver for quick and easy operation. The attention to detail includes a palm rest with integrated audio controls on the centre console. The instrument display has been revised in line with the UX 300e's all-electric drivetrain, with a digital speedometer, driving range indicator and four-level deceleration indicator.

In place of a conventional shift lever, the UX 300e has a shift-by-wire drive selector that fits snugly in the hand. The operation stroke has been shortened so rapid changes can be made between drive/neutral/reverse.

The UX's combination of smooth and perforated leather upholstery has a striking new geometric Kagome pattern, inspired by *sashiko* ("little stabs") quilting technique. This is used for its strength and suppleness – with as many as 10 stitches per inch – in the making of martial arts uniforms. There is also a new Hazel colour option for all upholstery options – fabric and leather.

In another aesthetic refinement, the dashboard trim has the look of *washi* paper grain, as seen in the sliding doors of traditional Japanese houses. The upper part of the instrument panel is now black in all trims and the push-start button silver.

The rear seats are also exclusive to the UX 300e, shaped to take into account the underfloor battery while maintaining passenger comfort.

Intelligent packaging

The UX 300e's packaging makes it ideal for electrified urban driving. The 2,640mm wheelbase contributes to a smooth, stable ride and a roomy cabin, while the 4,495mm length and best-in-segment 5.2m kerb-to-kerb turning radius make for easy manoeuvring and parking. Overall visibility from the steering wheel is helped by the low bonnet line, made possible by the car's GA-C platform and low-mounted drivetrain.

Because the compact lithium-ion battery is installed beneath the rear seats and cabin floor, there is little compromise in the rear cabin space compared to other UX models, while boot space is actually increased by 47 litres (loading from deck to tonneau cover) to 367 litres. Loading is made easier with the availability of a hands-free power tailgate, with response and operating speed increased on the 2023 model.

ELECTRIFIED PERFORMANCE

The latest development in Lexus's electrification programme is replacement of the UX 300e's original 54.3kWh lithium-ion battery by one with 72.8kWh capacity. This powers a compact motor/generator which drives the vehicle's front wheels, producing 150kW (201bhp) and up to 300Nm of torque for effortless, linear acceleration. The powertrain also captures energy when the vehicle is braking or coasting and converts it into electricity, stored in the battery.

Previously the UX 300e offered a range in the WLTP combined driving cycle of 189-196 miles, depending on options such as wheel size. The new battery improves this by more than 40 per cent. Models running on 17-inch wheels now achieve a WLTP combined range (depending on options) of up to 279 miles; those on 18-inch wheels have a combined range (also depending on options) of up to 274 miles.

Linear acceleration, four-level deceleration

The BEV system has been engineered to maximise the electric motor's powerful low-speed torque to deliver instant, linear acceleration response. Acceleration characteristics have been optimised for urban driving: at low throttle (stop-start driving etc), controllability of vehicle speed is prioritised; at mid to high throttle (merging onto motorways etc), the focus is on continuous, powerful acceleration.

To realise a refined drive, the PCU allows effortless driving with minimal accelerator input. In fact, Lexus went so far as to ensure smooth acceleration even when the driver's use of the accelerator pedal is slightly erratic. Also, for a more comfortable ride, irregular speed fluctuations are reduced, even on changing road gradients.

For engaging performance in situations such as frequent stop-and-go city driving and winding roads, deceleration can be controlled in four levels, using paddle shifts mounted on the steering wheel.

Precision-engineered transaxle

Lexus has developed a compact new BEV transaxle to deliver class-leading drivetrain performance and exceedingly low noise levels. The single-speed transmission has a three-shaft layout and a reduction gear mechanism to allow high motor speeds. Every effort was made to achieve the best performance, including polishing the gear tooth surfaces, adding a soundproof cover and optimising the transaxle lubrication system.

High-performance motor/generator

The new motor/generator is compact and lightweight, and engineered for the extremely refined power required for Lexus's first BEV. Realising both high output and efficiency, the rotor core shape has been defined to accommodate high rotation speeds, while the rotor's permanent magnets have been segmented to reduce current losses, reducing power consumption.

Power control unit

The compact PCU has been developed for higher output and driving range. All its components were redesigned to handle the large currents experienced in a BEV and it is located on the engine compartment's main cross member, reducing noise and vibration. It has a power card that is 36 per cent smaller than that used in the UX 250h hybrid, which reduces the unit's weight while extending the car's driving range. The PCU also has a DC-DC converter that constantly supplies power from the UX 300e's high-voltage system to its 12V system.

Lithium-ion battery pack

The new battery pack, introduced for the 2023 model year, has 96 cells and capacity increased to 72.82kWh. It is located beneath the cabin floor and rear seat, ensuring the vehicle has a low centre of gravity.

For increased control and battery life, sensors monitor the voltage of each battery cell and block, and the battery cell temperature. With the advanced Battery Management System, this results in maximum usable battery cell capacity and an extended driving range. Cool air is circulated inside the battery pack for stable battery output even at high speed and during repeated charging. Heating elements under each battery module minimise cold weather impact on the driving range and ensure full power is available from the start.

To replenish the battery, the UX 300e has an AC port on the right-side quarter panel for normal charging and a DC port on the left-side quarter panel for rapid charging. With the latter, the battery can be charged (in optimal conditions) from zero to 80 per cent in 80 minutes at 50kW. Electrical equipment such as air conditioning and audio can be used while the UX 300e is being charged.

By using the Lexus Link app, UX 300e owners can check battery status, available driving range, and time remaining to complete charging. The app can also remotely schedule the charging start time, enabling owners to take advantage of off-peak energy tariffs.

Battery cooling/air conditioning system

Extreme heat reduces battery life and BEV performance. For this reason, the UX 300e has a new air-cooled system for the battery cells. Bringing to bear Lexus's 15 years of hybrid battery development, it is safer and lighter than water-cooled systems and also provides air conditioning for the cabin. The refrigerated air ensures stable battery output can be attained, even under extreme battery load conditions, such as high-speed driving and repeated rapid recharging. The system works by circulating cooled air inside the sealed battery pack, with no risk of the leaks sometimes experienced with liquid cooling systems. Operation has been optimised to enhance performance, battery life and charging performance, as well as cabin comfort.

Battery heating system

Because battery output decreases in cold weather, Lexus developed a heating element system under each of the battery's modules. This minimises the impact of low temperatures on the driving range, ensuring full power is available from start-up. Thanks to this system, maximum battery output can be achieved even in extreme cold (-30°C), with charging time reduced from 25 hours without the heating system to just eight hours 15 minutes. When the battery heaters are operating, the DC-DC converter decreases the battery's high voltage output so maximum power can be supplied to the 12V auxiliary power sources and heaters.

Peace of mind warranty cover

Lexus's confidence in the durability of its all-electric vehicle technology is affirmed by a standard warranty for eight years or 100,000 miles (whichever comes first), covering degradation of BEV battery capacity below 70 per cent. This is complemented by a 5-year or 60,000-mile warranty on any functional defects in the BEV main battery. Extended BEV Care is available to cover main battery defects and capacity degradation below 70 per cent for up to 10 years or 100,000 miles, provided that regular maintenance programme health checks and servicing are completed at an authorised Lexus workshop. Lexus is confident, however, given its long experience in battery technologies, that actual capacity at that point should be greater than 85 per cent.

Seamless charging technology

The UX 300e has a high-efficiency charging system that is easy to use. To reduce running costs, the charger is water-cooled, allowing maximum output to be increased to 6.6kW.

An AC charger port is located on the right-hand rear wing and a DC port for rapid charging is on the rear left side. Both have a push-release cover and an inlet lamp makes for easier connection when charging at night. A locking system secures the ports from being opened or

tampered with by third parties. A “My Room” mode, a Lexus first, allows electrical features such as the air conditioning and audio system to be used while the vehicle is being charged.

AC charging

This method uses the AC outlet and the charging cable supplied with the vehicle, or the cable from a standard 6.6kW street charging point. Home wallbox chargers use the same cable as the public charging points. There is also a clever maximum charge level setting that allows a user who lives at the top of a hill, for example, to select a lower maximum level, ensuring just enough battery capacity remains to take advantage of regenerative charging when driving away from home, downhill.

The owner can also schedule charging times to start at a specific time, to be completed by a pre-set departure time, or to start at the same time every day, etc.

Rapid DC charging on the move

Using the DC charging inlet, the owner can use the rapid charging points shown in the Lexus Link app, located at most Lexus dealerships and public locations such as shopping centres, filling stations and town centres. Rapid DC charging takes much less time (from 10 to 80 per cent in 80 minutes at 50kW or more) compared to normal AC charging.

ELECTRIFIED DRIVING EXPERIENCE

The UX 300e delivers agile handling and pure, direct acceleration, giving the driver confidence and precise control. Cornering enjoyment is enhanced by the car’s low centre of gravity, with all heavier components concentrated close to the centre of the vehicle. The strengthened chassis and extra rigidity of the battery unit contribute to precise steering. True to the car’s Lexus character – the result of expert tuning by two *takumi* drivers – acceleration is pure and linear, while deceleration is through four rhythmic and natural modes.

Enhanced chassis rigidity

The UX’s GA-C platform gains extra rigidity from the underfloor battery pack, secured in place by cross-members, supporting excellent steering precision and driving refinement. An angular frame construction and strengthened transaxle mounting also contribute to the high rigidity of the chassis.

For the 2023 model, rigidity has been further increased with the addition of a more rigid steel tailgate reinforcement and 20 additional spot welds on the back panel and side members.

Advanced Posture Control

The UX 300e uses new shock absorbers that help create a linear steering feel and control vehicle posture. On models fitted with 18-inch wheels, the friction characteristics of the oil seals, rod guide and oil and piston band have been adjusted to suppress unnecessary movement of the car's sprung weight. Working with *takumi* drivers, the suspension has been tuned to achieve the appropriate wheel rate and damping to quell any uncomfortable pitching.

For a more direct and precise steering feel, a reinforcement brace has been added to the steering gearbox on the front suspension member. This increases responsiveness the moment the driver begins to turn the wheel, giving the deep and clear steering feel that is a Lexus characteristic.

Upgraded brakes and tyres

Ventilated discs are fitted front and rear to give improved braking, and the shape of the front brake dust cover has been defined to gain excellent cooling performance.

The tyres on the 18-inch wheels highlight the car's quality feel and quietness while supporting a high level of handling and stability. The 17-inch tyres have the lowest rolling resistance coefficient among similar products. They provide high responsiveness and excellent noise and vibration performance, while also contributing to a longer driving range.

Class-leading noise and vibration levels

BEVs are quiet by nature, but Lexus has gone the extra mile with the UX 300e, suppressing almost all outside disturbances, such as wind and gravel noise. Lexus' focus on minimising noise and vibration means the driver can relax in a tranquil cabin. The thickness and weight of the battery pack under the cabin floor act as a sound-insulating barrier, and undercovers and wing liners reduce the noise generated by small stones, dirt, water and the road surface. Acoustic window glass reduces high-frequency wind noise.

Active Sound Control (ASC)

Active Sound Control has been created in collaboration with a professional music composer to produce an acceleration-sensitive BEV sound, broadcast through the audio system's central speaker. If the driver prefers, this function can be switched off for complete tranquillity.

THE ELECTRIFIED OWNERSHIP EXPERIENCE

Using innovative technology to make life easier is a hallmark of all Lexus vehicles. The UX 300e expresses this in advanced features such as heated seats front and rear, a heated steering wheel and, on all versions, smartphone connectivity using Apple CarPlay and Android Auto.

As well as creating Lexus Electrified technologies for the car itself, the development team was determined to offer customers a world-class connectivity and charging experience, whether at home, on the road or in the city. To achieve this, they first conducted extensive research into the behaviour and expectations of BEV owners.

New multimedia systems: easier to use, greater functionality

The 2023 UX 300e features new multimedia systems – Lexus Link Connect on the entry model and Premium Pack and Lexus Link Pro on the Takumi Pack. Equipped with a touchscreen in place of the previous touchpad control, this is more intuitive to use than its predecessor, offers increased functionality, has greater connectivity and responds more quickly to commands.

Screen sizes have been increased, from seven to eight inches (Lexus Link Connect), with sharper graphics, and from 10 to 12.3 inches (Lexus Link Pro), with high-definition. For easier interaction, the screen has been moved 143mm further forwards.

A new voice recognition system includes the option of using the “Hey Lexus” on-board assistant. This responds to voice commands to make it easier to connect to phone calls, operate audio and climate controls and search the internet. The new voice recognition system is programmed to understand more conversational terms, to recognise whether it is the driver or front passenger speaking and to distinguish between background noise and commands so that it is no longer necessary to mute the audio.

To make journey planning easier and help avoid traffic delays, “always connected” cloud-based navigation is provided as standard, giving access to real-time road and traffic information. Additionally, the Lexus Link Pro system includes embedded navigation, maintaining operation even if cloud connection is unavailable. To make it easy to find out about such things as local parking, charging points, charging speed and price per kWh, “Hey Lexus” can also be linked to cloud-based information.

The new system provides smartphone integration via Apple CarPlay (wireless connection) or Android Auto (wired connection). Connectivity also extends to the Lexus Link smartphone app, which allows the driver to remotely lock or unlock the doors, trigger the hazard lights and set the air conditioning to cool or warm the cabin before getting into the car. The app

can also check the battery's charge-level, available range with the air-conditioning on or off and time remaining until charging is complete.

The space on the centre console where the multimedia touchpad was previously located is now home to controls for the heated front seats or, where these are not specified, a small storage cubby. The console also houses a USB-A port for playback of high-resolution sound sources and two USB-C ports for device charging. A new illuminated tray in the console, in front of the air conditioning control panel, has the space to hold a large smartphone.

The UX's multimedia system can save up to three people's customised settings for multimedia, audio, and navigation. Updates to the system software can be delivered over-the-air via the car's upgraded DCM (Data Communication Module).

Climate control with nanoe™ X

To ensure the wellbeing of everyone onboard, the UX 300e's climate control system benefits from the latest generation nanoe™ X air purification technology. This introduces nano-sized water molecules into the ventilation airflow which contain microscopic hydroxyl radicals. These can deodorise bad odours, act against mould and inhibit viruses, bacteria, pollen, and allergens. Laboratory research has shown that in one hour, nanoe X can inhibit more than 99 per cent of viruses and bacteria and achieve a 1.8 reduction in odour intensity. By preventing moisture evaporation, the nano-sized water particles also keep skin smooth and well-hydrated. More information about Lexus's use of nanoe X technology is available at <https://media.lexus.co.uk/breathe-easy-feel-great-inside-your-lexus-with-nanoe-x/>.

Remote charging

Drivers can use the Lexus Link app to check their vehicle's charge level at a glance on their smartphone, or view the driving range, both when the air conditioning is running and switched off. When the car is being charged on AC power at home, the time remaining until completion can be checked remotely. Users can also set a timer to suit their daily routine, to help ensure charging is complete before their planned departure time.

For UK owners who require frequent vehicle charging at home, Lexus is offering two wallbox options. One is a premium, Lexus branded 22kW unit, the other is a third-party 7kW box. A national authorised installer will be appointed to carry out safe and efficient installation. The UX 300e can also be charged using a standard three-pin plug connection.

Remote de-icer and air conditioning

The UX 300e owner can use the app for remote control of functions such as window de-icing and air conditioning, adjustable in 1°C increments. The defrost setting can clear screens and

warm the car, so no time is wasted before setting off. Likewise, the cabin can be cooled down ready for departure on a hot day. The system will run for up to 20 minutes, so operation can be synchronised with the time the owner wants to begin their journey.

Charging Station Finder

As well as locating charging facilities in the Lexus Charging Network, the app's finder function can provide details of other charging stations, check their address, opening hours and operational status. Locations can be shared with a navigation app, or the UX 300e's multimedia system.

Additional functions

Lexus Link includes many useful features in addition to those related to BEV ownership.

- Find my Car locates the vehicle and guides the driver to it.
- Share to Car lets the driver plan a route on another device and send it to their car. Car to Door guides them on foot to their final destination, once they have parked.
- Driving Analytics lets the driver track journeys and driving style, and highlights business trips.
- Service and Maintenance helps the driver manage the care programme for their vehicle.
- Warning Lights explains the meaning of each warning light in the vehicle, and what action should be taken if any are illuminated.

UK MODEL RANGE AND EQUIPMENT FEATURES

The UX 300e is offered to UK customers in three versions: UX 300e, Premium Pack and Takumi Pack.

The standard specification includes 17-inch alloy wheels, aluminium roof rails, bi-LED headlights, LED fog lights, front and rear parking sensors, illuminated entry, eight-way power front seat adjustment, power lumbar adjustment on the driver's seat, power steering wheel adjustment, Lexus Link Connect multimedia system with eight-inch touchscreen, reversing camera with guidelines, six-speaker audio system with DAB, four USB ports and Aux socket, smartphone integration with Apple CarPlay (wireless)/Android Auto (wired) and three-pin and Type 2 (Mennekes) charging cables.

The Premium Plus Pack adds leather upholstery, heated steering wheel, heated and ventilated front seats, heated outer rear seats, rear privacy glass, smart keyless entry, card

key, smartphone wireless charger and illuminated door handles with puddle lights. The 18-inch alloy wheels are available as an option with the Premium Plus Pack.

The Takumi Pack equips the car with all the Premium Plus Pack elements, together with 18-inch alloy wheels, Blind Spot Monitor with Rear Cross-Traffic Alert with auto brake, triple-eye LED headlights, 360° panoramic view monitor, hands-free power tailgate, aluminium scuff plates, 13-speaker Mark Levinson Premium Surround Sound system, Lexus Link Pro multimedia system with 12.3-inch touchscreen, head-up display and a sunroof.

Full equipment details are provided in the specification table below.

Lexus Safety System+

All versions of the UX 300e are fitted as standard with Lexus Safety System+. This suite of active safety and driver assistance technologies helps reduce the likelihood and severity of a number of common accident risks. It includes a Pre-Collision System, Dynamic Radar Cruise Control, Lane Trace Assist, Road Sign Assist and Automatic High Beam.

Upgrades for the 2023 model include the addition of Intersection Turning Assist, which detects oncoming vehicles and pedestrians crossing in the opposite direction when turning at an intersection. Emergency Assist has been added, which automatically makes small corrective inputs to the steering to help prevent the vehicle from unintentionally departing from its lane. The Dynamic Radar Cruise Control has gained Curve Speed Reduction, which automatically adjusts the vehicle's speed to suit the radius of a bend in the road ahead.

The Pre-Collision System can detect pedestrians at night and objects such as motorcycles in the car's path during the day; Lane Tracing Assist helps the driver keep the vehicle centred in its lane and can provide support when driving through bends; and Road Sign Assist recognises traffic signs to provide information to the driver via the multi-information display or the optional head-up display. Where the triple-eye LED headlights are specified (Takumi Pack), an Adaptive High-beam System is provided

Other features which make driving easier include (according to model grade) a Panoramic View Monitor for a near-360° view around the car, to help when negotiating confined spaces; Parking Support Alert, which warns of an impending collision using clearance sonars; Lexus Parking Assist to help with reversing into parking spaces; Rear Cross Traffic Alert with auto-braking, which operates when the car is reversing; and a Blind Spot Monitor, which detects vehicles in adjacent lanes obscured from the driver's sightline.

Up to 10 years/100,000 miles warranty

In common with every new Lexus, the UX 300e is eligible for Lexus 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 Lexus 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.lexus.co.uk.

Sales in UK markets in 2022: 391

Total UK sales since launch (2021): 1,472

LEXUS UX 300e TECHNICAL SPECIFICATIONS

DRIVETRAIN		
Electric motor		
Type	Permanent magnet, synchronous motor	
Max. voltage	650	
Max. power (bhp/DIN hp/Kw)	201/204/150	
Max. torque (Nm)	300	
Battery		
Type	Lithium-ion	
Nominal voltage	355.2	
Capacity (Ah)	205	
Total power (kWh)	72.82	
Number of cells	96	
Battery charging		
Charging time*	230V	approx. 9hr 30min (32A)
	Quick charge	approx. 80min (max. 125A)
Connector type	AC input (normal use)	Type 2
	DC input (quick charge)	CHAdeMO
Maximum AC charge rate (kWh)	6.6	
TRANSMISSION		
Type	Triple-axis, two-stage reduction	
Driven wheels	Front	
Differential gear ratio	11.691	
PERFORMANCE		
0-62mph (sec)*	7.5	
Max. speed (mph)*	100	
Driving range (miles, WLTP)	Up to 279 (17in wheels) Up to 274 (18in wheels)	
Electric energy consumption (combined, miles/kWh)	3.7	
DIMENSIONS		
Overall length (mm)	4,495	
Overall width – excluding mirrors (mm)	1,840	
Overall width – including mirrors (mm)	2,080	
Overall height (mm)	1,545	
Wheelbase (mm)	2,640	
Track front (mm)	1,560 (17in wheels) 1,550 (18in wheels)	
Track rear (mm)	1,560 (17in wheels) 1,550 (18in wheels)	
Overhang front (mm)	970	
Overhang rear (mm)	885	
Coefficient of Drag (Cd)	0.31	

INTERIOR DIMENSIONS		
Interior length (mm)		1,830
Interior width (mm)		1,518
Interior height (mm)		1,109 1,082 (with sunroof)
Load compartment capacity	Rear seats up, loaded to tonneau cover	367
	Rear seats up, loaded to roof	486
WEIGHTS (kg)		
Kerb weight		1,785 – 1,840
Gross vehicle weight		2,245
Towing capacity		Not permitted
INSURANCE, SERVICING & WARRANTY		
Insurance group		38E
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 arm, double wishbones
BRAKES		
Front - diameter x thickness (mm)		Ventilated discs, 305 x 28
Rear - diameter x thickness (mm)		Ventilated discs, 317 x 18
Parking brake		Electric switch
STEERING		
Type		Rack and pinion, electric power steering
Turns (lock to lock)		2.76
Min. turning radius (m)	Tyre	5.2
	Body	5.23 (17in wheels) 5.22 (18in wheels)
WHEELS & TYRES		
Wheel and tyre size		17in, 215/60R17 18in, 225/50R18

This specification table is a guide for media only; Lexus customers should check vehicle specifications with their Lexus Centre, or the lexus.co.uk website.

LEXUS UX 300e EQUIPMENT SPECIFICATIONS

SAFETY & DRIVER ASSISTANCE	UX 300e	PREMIUM PACK	TAKUMI PACK
Lexus Safety System+ with Pre-Collision System (day & night), Dynamic Radar Cruise Control, Lane Keep Assist, Lane Tracing Assist, Road Sign Assist & Automatic High Beam	✓	✓	✓
Bi-LED headlights with Adaptive High-beam System (replacing AHB)	✗	✗	✓
Driver & front passenger airbags	✓	✓	✓
Driver & front passenger side airbags	✓	✓	✓
Driver & front passenger knee airbags	✓	✓	✓
Curtain Shield airbags	✓	✓	✓
Front passenger airbag cut-off switch	✓	✓	✓
ABS	✓	✓	✓
Electronic Brakeforce Distribution (EBD) with Brake Assist System (BAS)	✓	✓	✓
Secondary Collision brake (SCB)	✓	✓	✓
Vehicle Stability Control (VSC)	✓	✓	✓
Traction Control (TRC)	✓	✓	✓
Vehicle Dynamics Integrated Management	✓	✓	✓
Hill Assist Control (HAC)	✓	✓	✓
Blind Spot Monitor and Rear Cross-Traffic Alert	✗	✗	✓
Tyre Pressure Warning System	✓	✓	✓
Electronic front seatbelt pretensioners with force limiters	✓	✓	✓
High mounted rear stop light	✓	✓	✓
Emergency brake signal	✓	✓	✓
Seatbelt warning system	✓	✓	✓
ISOFIX child seat anchor points on outer rear seats	✓	✓	✓
Speed-sensitive electric power steering	✓	✓	✓
Electronic parking brake	✓	✓	✓
eCall	✓	✓	✓
INSTRUMENTS & CONTROLS	UX 300e	PREMIUM PACK	TAKUMI PACK
Drive Mode Select – 3 modes	✓	✓	✓
Active Sound Control	✓	✓	✓
Analogue clock with GPS	✓	✓	✓
Head-up display	✗	✗	✓
AUDIO, NAVIGATION & INFORMATION	UX 300e	PREMIUM PACK	TAKUMI PACK
Lexus Link Connect with 8in touchscreen	✓	✓	✗
Lexus Link Pro with 12.3in touchscreen	✗	✗	✓
Cloud-based navigation	✓	✓	✓

Embedded navigation	✘	✘	✓
6-speaker audio system AM/FM/DAB	✓	✓	
13-speaker Mark Levinson Sound system	✘	✘	✓
Apple CarPlay and Android Auto smartphone integration	✓	✓	✓
Lexus Link connected services	✓	✓	✓
USB x4 and Aux socket	✓	✓	✓
Bluetooth	✓	✓	✓
COMFORT & CONVENIENCE	UX 300e	PREMIUM PACK	TAKUMI PACK
Dual-zone climate control with nanoe-X air quality system	✓	✓	✓
Rear cabin air vents	✓	✓	✓
Power windows with anti-jam protection	✓	✓	✓
Rain-sensing wipers	✓	✓	✓
Smart keyless entry	✘	✓	✓
Card key	✘	✓	✓
Push-button start	✓	✓	✓
Intelligent front and rear parking assist sensors	✓	✓	✓
Reversing camera with guidelines	✓	✓	✓
Wireless smartphone charging tray	✘	✓	✓
360-degree Panoramic View Monitor	✘	✘	✓
Adjustable turn indicator flash sequence	✓	✓	✓
LED interior lighting	✓	✓	✓
Auto-dimming rear-view mirror	✓	✓	✓
Power-adjustable steering wheel with leather trim	✓	✓	✓
Heated steering wheel	✘	✓	✓
12v accessory socket x2 (centre console and luggage compartment)	✓	✓	✓
4x tie-down hooks in boot	✓	✓	✓
2x folding shopping bag hooks in boot	✓	✓	✓
Front centre arm rest with storage	✓	✓	✓
Glove box	✓	✓	✓
2 cup holders in centre console	✓	✓	✓
2 cup holders in rear centre arm rest	✓	✓	✓
Under deck storage	✓	✓	✓
Side deck storage	✓	✓	✓
SECURITY	UX 300e	PREMIUM PACK	TAKUMI PACK
Anti-theft system with alarm, intrusion, tilt and glass breakage sensors, engine immobiliser	✓	✓	✓
Two-motion double door locking	✓	✓	✓
Speed-sensitive auto door locking	✓	✓	✓
VIN etching	✓	✓	✓

Locking wheel nuts (Thatcham approved)	✓	✓	✓
SEATING, UPHOLSTERY & TRIM	UX 300e	PREMIUM PACK	TAKUMI PACK
Cloth upholstery	✓	✗	✗
Perforated leather upholstery with Kagome weave pattern	✗	✓	✓
Heated and ventilated front seats	✗	✓	✓
Heated outer rear seats	✗	✓	✓
8-way power front seat adjustment	✓	✓	✓
2-way power lumbar adjustment on driver's seat	✓	✓	✓
60:40 split-folding rear seats	✓	✓	✓
Map pockets on front seat seatbacks	✓	✓	✓
Leather shift lever trim	✓	✓	✓
Washi instrument panel trim	✓	✓	✓
Carpet mats	✓	✓	✓
Aluminium scuff plates	✗	Opt	✓
EXTERIOR	UX 300e	PREMIUM PACK	TAKUMI PACK
Auto-folding, heated door mirrors with integrated turn indicators	✓	✓	✓
Reversing tilt function on door mirrors	✗	✗	✓
Acoustic windscreen	✓	✓	✓
Rear privacy glass	✗	✓	✓
Hands-free power tailgate	✗	✗	✓
LED headlights with Automatic High Beam	✓	✓	✗
Triple-eye LED headlights with Adaptive High-beam System	✗	✗	✓
LED daytime running lights	✓	✓	✓
LED front/rear fog lights	✓	✓	✓
LED cornering lights	✗	✗	✓
LED rear lights	✓	✓	✓
Headlight cleaners	✓	✓	✓
Illuminated doorhandles with puddle lights	✗	✓	✓
Integrated roof rails (aluminium)	✓	✓	✓
Sunroof	✗	✗	✓
17in alloy wheels	✓	✓	✓
18in alloy wheels	✗	Opt	✓
3-pin and Type 2 (Mennekes) charging cables	✓	✓	✓
Metallic paint	Opt	Opt	Opt
Special metallic and sonic paint finishes	Opt	Opt	Opt

This specification table is a guide for media only; Lexus customers should check vehicle specifications with their Lexus Centre, or the [lexus.co.uk](https://www.lexus.co.uk) website.

ENDS

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