



#### Yutong Bus Co., Ltd.

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## U SERIES

PREMIUM CITY BUS







## WHO WE ARE

**We are a global leading bus manufacturer, boasting the highest sales volume worldwide.**

- 5 production bases
- Factory areas spanning over 3.59 million m<sup>2</sup>
- Daily average production of complete vehicles reaching 445 units
- Maximum daily production capacity of new energy buses exceeding 375 units
- A diverse product lineup from 5m to 26m, catering to various market segments such as long-distance coaches, city buses, commuters, tourist coaches, school buses and special vehicles
- New energy buses successfully introduced to 56 countries and regions, with cumulative sales exceeding 196,000 units

## OUR MISSION

**Bring enjoyable travels to the public and create greater value for customers**

- 9.6 billion liters fuel saved •
- 165,882 tons NO<sub>2</sub> emissions reduced •
- over 28.5 million tons carbon emissions reduced •
- 3,414 tons PM2.5 emissions reduced •



# STYLE AESTHETICS, STREET ICON IN MOTION

The exterior inherits the excellent genes of the family, with a dazzling and eye-catching overall appearance and cutting-edge aesthetics. The interior is high-end and exquisite, achieving harmonious excellence in both form and function. The overall design is highly technological, premium, and futuristic. With its outstanding features, it becomes a beautiful moving urban landscape.



**High-tech curved contour**

The black curved contour lines give a strong sense of technology to the appearance. The styling has won the Busworld Design Label.



**Exquisite interior trimming**

Adopting GMT interior roof, three-color ambient lights, and an integrated design of large-section air ducts, the interior of the vehicle is more exquisite and aesthetically pleasing.



**Full LED racetrack-style headlight cluster**

The headlights are durable with a service life of up to 50,000 hours, combining functional aesthetics with practicality.



**Floating-style interior facilities**

The interior armrests, seat legs and radiators are non-floor-mounted, which is simple and beautiful while enhancing the sense of space in the compartment.



**Integrated design**

The whole process of wide-width floor covering laying and large roof panel docking makes the interior floor and roof more integrated and flatter, bringing convenient experience.





## COZY DRIVING & RIDING

The meaning of travel is not only to arrive, but also to enjoy the wonderful experience throughout the whole trip. The humanized driving and riding partition design ensures that both drivers and passengers can enjoy their journey.

### Adjustable instrument

The driver can adjust the steering wheel height and front-rear space as needed, so as to improve the human-machine interaction experience.



### Independent A/C in the driving area

The A/C temperature in the driving area can be independently adjusted to enhance comfort.



### Widened anti-pinch passenger door

The passage width reaches 1,200mm, which is convenient for passengers to get on and off the bus and improves efficiency. The passenger door is equipped with an infrared anti-pinch device, which can effectively avoid pinching passengers.



### Convenient barrier-free passage

The interior passage at front-axle is as wide as 920 mm, and the handrail clearance reaches 1,300 mm. The complete vehicle adopts a low-floor structure, making the interior barrier-free space larger and more user-friendly.



### Inclined-support ergonomic passenger seat

The seats have good supporting performance and are comfortable to sit in. They can also improve the utilization rate of the interior space, allowing passengers to enjoy a pleasant journey.

### Fully air-suspended driver seat

The driver seat is ergonomically designed and equipped with ventilation, massage, and rotation functions, which can effectively relieve fatigue from long-term sitting.





# REDEFINED SAFETY & RELIABILITY

As a pioneer in new energy buses, Yutong has independently developed its core "YEA" technology and established the "YESS" safety standard for electric buses, featuring fireproof, waterproof, and anti-electric shock protection. With industry-leading IP68+IP6K9K level safety, it meets European standards and ensures comprehensive operational safety.



## A Solid Fortress of Security

### ◆ VEHICLE PROTECTION

#### ① ROBUST CLOSED-RING STRUCTURE

The vehicle's robust closed-ring structure evenly distributes impact forces during collisions or rollovers, minimizing deformation space and improving all-around structural safety.



With closed-ring structure:  
Maximum pillar deformation during rollover is only 260 mm

#### ② COLLISION PROTECTIVE STRUCTURE

The collision protection of the battery compartment has been comprehensively upgraded. It can withstand a side collision of 2.7 tons and a rear collision of 18 tons. After the collision, the battery packs are not squeezed, and the vehicle can still be started normally.

Without closed-ring structure:  
Maximum pillar deformation during rollover is 480 mm

### ◆ BATTERY AND MOTOR PROTECTION

#### ① INDUSTRY EXCLUSIVE PROACTIVE BATTERY SAFETY SYSTEM

Yutong's proprietary proactive battery safety system features nitrogen protection system, heat-resistant fireproof structure, battery liquid-heating, and 24-hour monitoring, effectively reducing failure risks and enhancing new energy system safety.

#### ② ANTI-MUD AND ANTI-CONDENSATION STRUCTURE OF MOTOR

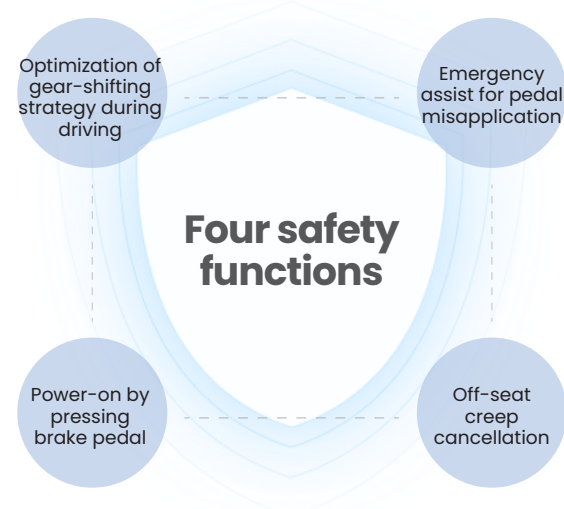
Yutong's motor is equipped with an original mud and sand protection structure, which effectively improves the motor's adaptability to road conditions such as potholes, gravel, and water-logging. It ensures good insulation of the motor in cold and humid environments, ensuring the safe operation of the vehicle.



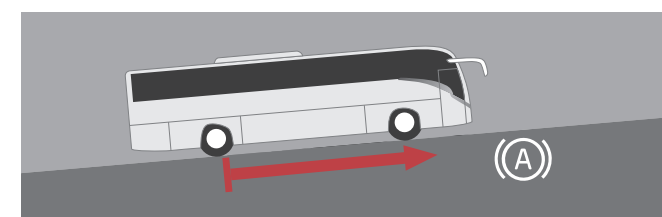
## Intelligent Driving, Upgraded Security

### ◆ INTELLIGENT PROTECTION

Yutong's intelligent protection technology consists of four major functions, which can effectively reduce the safety risk caused by driver's non-standard operation and ensure operational safety.



Four safety functions

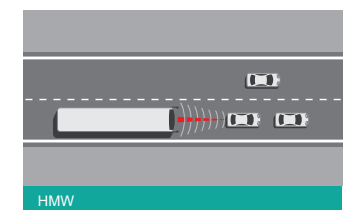
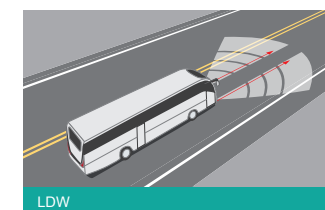
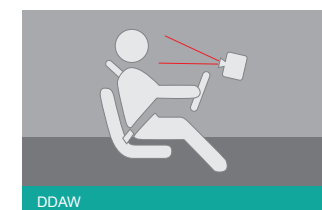


### ◆ ELECTRONIC PARKING BRAKE (EPB)

The high-safety automatic parking system integrates three major functions: hill-start anti-rollback, intelligent temporary parking, and reliable electronic parking. It ensures stable hill-start like on flat ground, eliminates the need for handbrake during temporary parking, and provides safe and reliable parking lock.

### ◆ INTELLIGENT DRIVING ASSISTANCE

The intelligent driving assistance system consists of functions such as intelligent speed assistance (ISA), driver drowsiness and attention warning (DDAW), blind spot information system (BSIS), moving-off information system (MOIS), lane departure warning (LDW), front collision warning (FCW), headway monitoring warning (HMW) and pedestrian collision warning (PCW). It can predict dangerous factors and alert the driver in advance, enhancing driving safety.





# Intelligent Connectivity, Easier Fleet Management

Link+ (YUTONG fleet management) system delivers comprehensive, real-time vehicle monitoring with enhanced clarity. It digitizes and automates five core function scenarios to effectively reduce operational costs and boost fleet management efficiency.

**Link+**  
Yutong Fleet Management



## Vehicle monitoring



Real-time vehicle status monitoring, driving data tracking, and customized event alerts enable proactive risk identification and precise intervention to ensure vehicle safety.

## Energy consumption management



Leveraging intelligent data analysis for energy consumption monitoring, charging strategy optimization, and remote A/C control, pinpointing high-consumption components and inefficient driving behaviors.

## Driver management



Verifies roadworthiness through intelligent inspections, and supports driver training with a scientific driving scoring system.

## Maintenance



Integrated intelligent reminders for maintenance interval, document retrieval, and booking functions with real-time repair progress tracking.

## Parts service



Quickly checks parts inventory and tracks key milestones online like parts ordering, preparation, shipping, and port arrival for transparent parts management.





# HIGH ENERGY EFFICIENCY, EXTENDED RANGE

Equipped with LFP batteries, high-efficiency motor, and integrated controller, the vehicle also optimizes control strategies to reduce overall weight and energy consumption, achieving low energy consumption and long-range operation. The U12 standard version is equipped with 465.99 kWh batteries, which achieves a range of over 600 km under SORT2 conditions (energy consumption under SORT2 standard conditions: 0.677 kWh/km).



## High energy density battery

High energy density battery is adopted. By using high specific energy cell, composite upper cover, integrated design of pack body and cooling plate, CPT technology, etc., the battery weight is reduced by more than 12%.



## Efficient motor

By adopting flat-wire winding technology, high cost-performance silicon-steel, and modulation control technology, the efficiency of the motor system can reach up to 97.7%.



## Highly integrated controller

Functions such as electric defrosting, electric heating, electric A/C high-voltage power distribution are integrated, effectively reducing the control system weight.



## Intelligent electric air compressor

The vehicle controller intelligently controls the air compressor's operation based on vehicle's air volume demands, effectively saving energy.



## Pioneering IES\_c smart energy-saving technology

In the vehicle coasting mode, it can determine the relative speed and distance of obstacles, actively intervene to increase torque, increase energy recovery during coasting, and improve vehicle's economic efficiency.



## Braking energy recovery technology

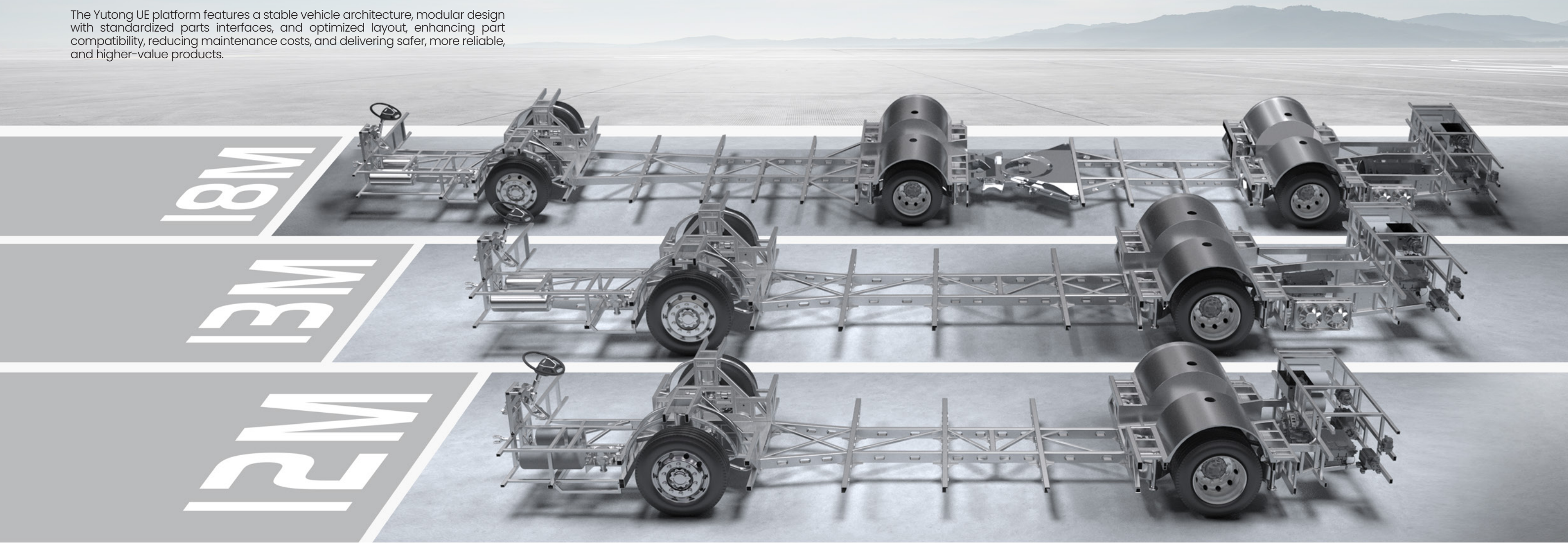
The vehicle engages the traction motor to convert kinetic energy into electricity, which charges the traction battery via an integrated control unit, enabling energy recovery during braking.





# TECHNOLOGY PLATFORM FOR GREATER VALUE

The Yutong UE platform features a stable vehicle architecture, modular design with standardized parts interfaces, and optimized layout, enhancing part compatibility, reducing maintenance costs, and delivering safer, more reliable, and higher-value products.



## Enhanced vehicle frame strength



Utilizing a professional closed-ring body structure design for superior all-around structural safety.

## Improved lightweighting and energy efficiency



The lightweight design reduces vehicle weight by 100–400 kg and cuts energy consumption by 3%.

## Greater parts compatibility



With 40% fewer part types, components are more compatible and accessible, lowering maintenance costs.

## Superior electromagnetic interference resistance



CLASS 5-rated anti-electromagnetic interference capability ensures reliable operation of onboard electronics.

## IP68 & IP6K9K-rated HV system



The traction battery, drive motor, and controller achieve IP68 & IP6K9K protection level, improving extreme weather resilience while reducing maintenance frequency and costs. It ensures waterproof performance when submerged in 1-meter-deep water for 24 hours and withstands high-pressure steam jet cleaning.



# CONVENIENT MAINTENANCE, HASSLE-FREE OPERATION

Yutong prioritizes customers' operational needs with thoughtful component designs, making vehicle maintenance simpler, more convenient, and worry-free.



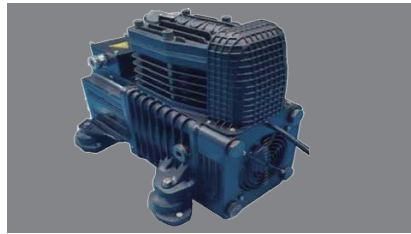
**Modular front & side wall design**

The front wall's left/right lamp frames and middle skin can be flipped while the lower side wall skin is independently removable for easy maintenance and replacement.



**Wide-angle hatch**

Hatch features a 160°+ opening angle for easier vehicle inspection and maintenance.



**Maintenance-free electric air compressor**

Its oil-free pump head design eliminates the need for lubricant refills or changes, reducing upkeep costs.







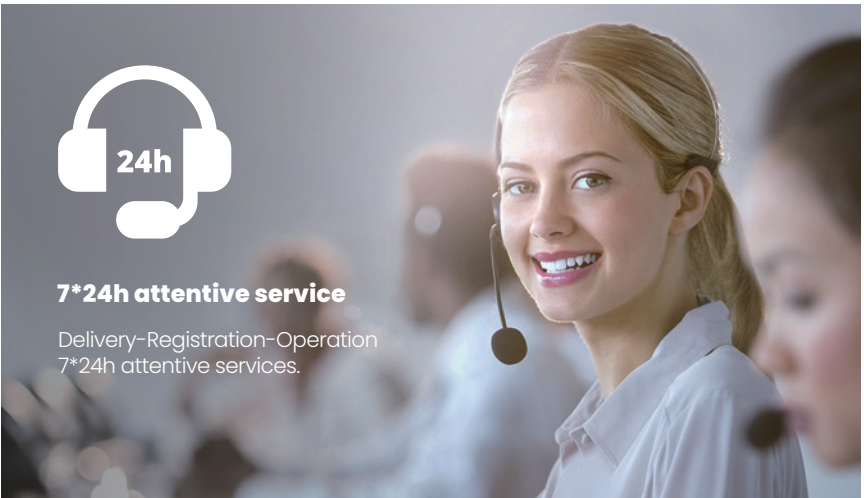

# BETTER SERVICE, ALWAYS ENROUTE

Yutong has been refining its service modes and capabilities, and building a professional integrated service platform to deliver more efficient, convenient solutions that meet diverse customer needs.



**Dedicated NEV service team**

Real one-stop service: attentive service team, addressing all doubts and providing maintenance solutions across all aspects.



**7\*24h attentive service**

Delivery-Registration-Operation  
7\*24h attentive services.



**Service + Training**

Free hierarchical, classified and targeted training for customers' drivers and management personnel, with support throughout the full life cycle.



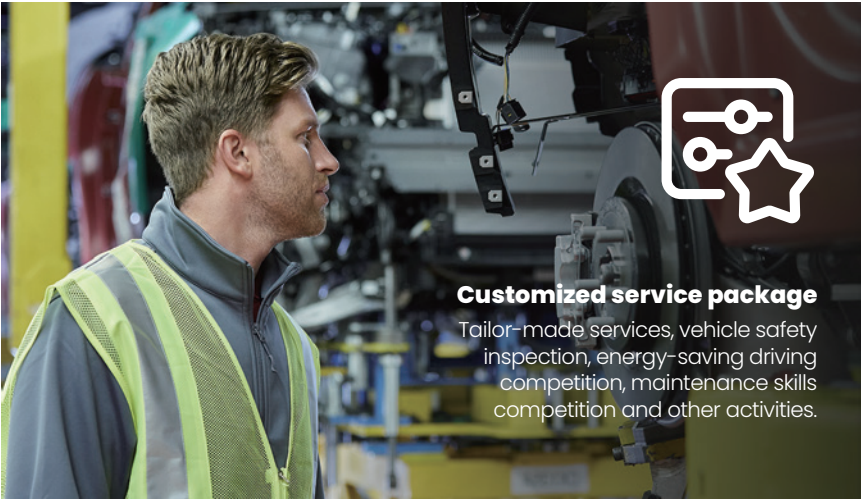

**Nearby stationing, quick response**

Stationed near the customer company or main operating routes to ensure rapid response.



**Backstage monitoring and active intervention**

Proprietary safety monitoring system to control vehicle operation in real time, and actively intervene to handle problems.



**Customized service package**

Tailor-made services, vehicle safety inspection, energy-saving driving competition, maintenance skills competition and other activities.



# GLOBAL SERVICE CASES

## QATAR: Customized Public Mobility Solutions

During the 2022 Qatar World Cup, Yutong delivered a tailored electric mobility solution featuring "trunk-line buses, branch line micro-circulation shuttles, and long-range coaches." This system addressed Qatar's needs from premium event transport to urban last-mile connectivity, ensuring safe, efficient operations during the tournament.

### Qatar World Cup Service Highlights



**Professional service:**  
126 maintenance personnel of Yutong



**24h operation:**  
1,500 Yutong buses (including 888 battery electric vehicles) provided round-the-clock transport



**Excellent mileage:**  
Transported more than 2.6 million passengers, with a total mileage of over 3 million km



**Low-carbon impact:**  
Reduced local carbon emissions by over 3.3 million kg

## NORWAY: Battery Electric Buses Defying Extreme Cold

Yutong's battery electric vehicles have outperformed similar products from top European brands. With exceptional battery range, minimal winter range degradation, and energy consumption as low as 1.0kWh per km, they've earned market recognition and a strong reputation. To date, 224 Yutong battery electric buses operate in Norway, delivering greener transportation experiences and supporting the country's carbon reduction goals.



## UK: The Choice for Premium, Comfortable Travel

As the birthplace of the global automotive industry, the UK maintains stringent standards for vehicle performance and prioritizes a human-centric travel experience. Yutong has meticulously developed its premium E-series buses and luxury T-series coaches to meet the high demands of the European market. With superior comfort, quietness, ergonomics, and elegant design, Yutong has earned the trust of over 200 coach operators in the UK. Its energy-efficient and eco-friendly new energy buses have been adopted by more than 100 towns for their battery electric fleets. By 2022, Yutong's UK sales exceeded 900 units, marking a 51.4% growth over 2021.



## FRANCE: Endorsed by Five Major Operators

Yutong is the leading Chinese bus brand in France, with cumulative sales surpassing 700 units. In 2019, Provence launched Europe's first battery electric intercity bus route, serviced by Yutong's ICE12. Yutong's innovative battery electric intercity buses address the challenge of electrifying long-distance public transport between France's small towns. Over years of collaboration, Yutong has gained recognition from global operators like RATP, TRANSDEV, and Keolis.



## MEXICO: Leading Dual-Powered Trolleybuses & 18m Battery Electric BRT Buses

Yutong has sold 301 dual-powered trolleybuses in Mexico, holding a 100% market share in this segment, setting a benchmark for dual-powered trolley bus adoption across Latin America and globally. The dual-power system, combining batteries and overhead lines, supports Mexico City's green transition in historic districts, cutting fuel costs by over 30% compared to diesel counterparts. Its isolated DCDC system also outperforms competitors in safety. Additionally, Yutong's custom-designed 18-meter battery electric BRT buses for Mexico City have significantly enhanced public transport efficiency and passenger experience, ushering in a new era of green, rapid transit.



## KAZAKHSTAN: Localized Manufacturing

With over 16 years in Kazakhstan, Yutong has 3,388 large and medium-sized buses in operation, making it the country's leading bus brand. Its battery electric vehicles are accelerating the region's green transport transition.



In 2021, Yutong's joint-venture KD factory was launched, exporting technical expertise, supply chain solutions, and operational standards to bolster local automotive development.

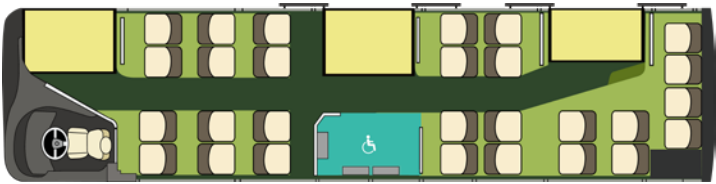


In 2023, Yutong conducted an extreme cold challenge (-27°C) on a 3-year-old battery electric bus. Despite harsh conditions, the vehicle achieved 320 km against a 350 km rated range, proving exceptional driving range.



U10 LF

28+2 seat layout three-door



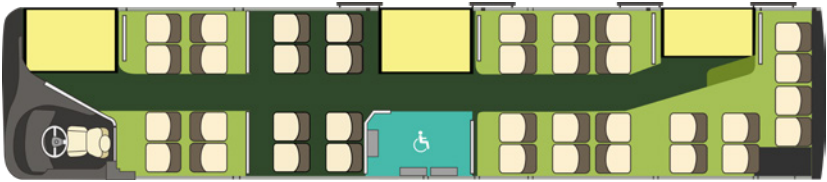
U10 LE

33+2 seat layout two-door



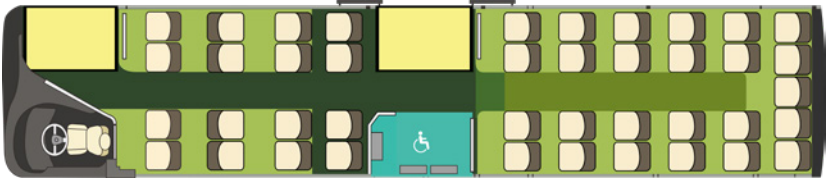
U12 LF

36+2 seat layout three-door



U12 LE

41+2 seat layout two-door



SPECIFICATION	U10 LF	U10 LE	U12 LF	U12 LE
L*W*H(mm)	10,570*2,550*3,190	10,970*2,550*3,390	12,170*2,550*3,190	12,170*2,550*3,390
Compartment interior height(mm)	2,300	2,200	2,300	2,200
Min. turning diameter(m)	15	17.5	18.5	18.5
Approach angle/ departure angle	7°/7°	7°/7°	7°/7°	7°/7°
Floor type	Low floor	Low entrance	Low floor	Low entrance
Wheelchair area	1	1	1	1
Passenger door	2-2-2	2-2-0	2-2-2	2-2
Seats	Up to 32	Up to 33	Up to 40	Up to 41
Passenger numbers	Up to 81	Up to 80	Up to 95	Up to 85
Battery capacity (kwh)	Up to 399.92	Up to 465.99	Up to 528.13	Up to 465.99
Motor rated power (kw)	150	150	150	150
Maximum motor power	260	260	260	260
Tire	275/70R22.5	275/70R22.5	275/70R22.5	275/70R22.5
Axle	Front disc/rear disc (front ZF and rear ZF)	Front disc/rear disc (front ZF and rear ZF)	Front disc/rear disc (front ZF and rear ZF)	Front disc/rear disc (front ZF and rear ZF)
Suspension	Front 2 rear 4 airbag suspension, lifting function (with kneeling)	Front 2 rear 4 airbag suspension, lifting function (with kneeling)	Front 2 rear 4 airbag suspension, lifting function (with kneeling)	Front 2 rear 4 airbag suspension, lifting function (with kneeling)
A/C	A/C with cooling and heating function (cooling capacity:32,000.0 kcal/h heating capacity:30,000.0kcal/h)	A/C with cooling and heating function (cooling capacity:32,000.0 kcal/h heating capacity:30,000.0kcal/h)	A/C with cooling and heating function (cooling capacity:32,000.0 kcal/h heating capacity:30,000.0kcal/h)	A/C with cooling and heating function (cooling capacity:32,000.0 kcal/h heating capacity:30,000.0kcal/h)

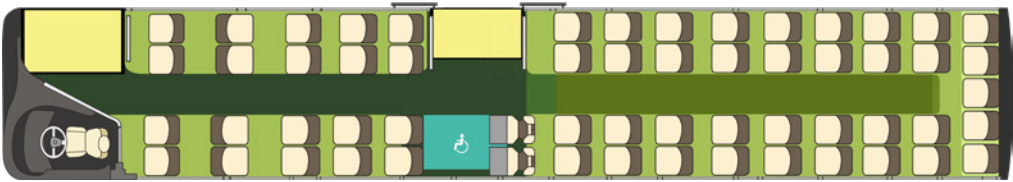
U13 LE

45+2 seat layout two-door



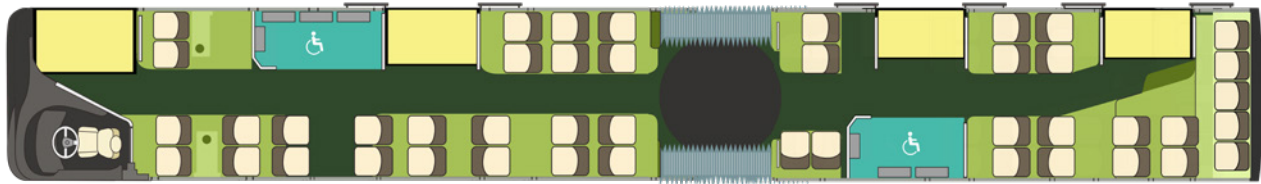
U15 LE

57+2 seat layout two-door



U18 LF

45+5 seat layout four-door



SPECIFICATION	U13 LE	U15 LE	U18 LF	
L*W*H(mm)	12,970*2,550*3,390	14,950*2,550*3,390	18,170*2,550*3,200	18,720*2,550*3,200
Compartment interior height(mm)	2,200	2,200	2,295	2,295
Min. turning diameter(m)	22	22	21.5	21.5
Approach angle/ departure angle	7°/7°	7°/7°	7°/7°	7°/7°
Floor type	Low entrance	Low entrance	Low floor	Low floor
Wheelchair area	1	1	2	2
Passenger door	2-2-0	2-2-0	2-2-2-2	2-2-2-2
Seats	Up to 45	Up to 57	Up to 43	Up to 45
Passenger numbers	Up to 80	Up to 100	Up to 125	Up to 125
Battery capacity (kwh)	Up to 465.99	Up to 662.75	Up to 621.33	Up to 621.33
Motor rated power (kw)	150	250	120*2	120*2
Maximum motor power	260	350	240*2	240*2
Tire	275/70R22.5	275/70R22.5	275/70R22.5	275/70R22.5
Axle	Front disc/rear disc (front ZF and rear ZF)	Three-axle disc type (front ZF, rear ZF, third axle ZF)	Three-axle disc type (front ZF, rear ZF, third axle ZF)	Three-axle disc type (front ZF, rear ZF, third axle ZF)
Suspension	Front 2 rear 4 airbag suspension, lifting function (with kneeling)	Front 2 middle 4 rear 2 airbag suspensions, lifting function (with kneeling)	Front 2 middle 4 rear 4 airbag suspensions, lifting function (with kneeling)	Front 2 middle 4 rear 4 airbag suspensions, lifting function (with kneeling)
A/C	A/C with cooling and heating function (cooling capacity:34,000.0 kcal/h heating capacity:32,000.0kcal/h)	A/C with cooling and heating function (cooling capacity:36,000kcal/h heating capacity:36,000kcal/h)	A/C with cooling and heating function (cooling capacity:62,000kcal/h heating capacity:58,000kcal/h)	A/C with cooling and heating function (cooling capacity:62,000kcal/h heating capacity:58,000kcal/h)