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Yutong IC Series

High Standard Battery Electric Intercity Bus





BLENDING TECH AND AESTHETICS TO REDEFINE HIGH-END GREEN MOBILITY

Built on the world's leading EV-specific platform YEA
Catering to premium intercity passenger transport with cutting-edge new energy technology
Providing solutions with longer range, stronger power, greater capacity and higher quality



INTERCITY COMMUTING CHIC AND COMFORTABLE

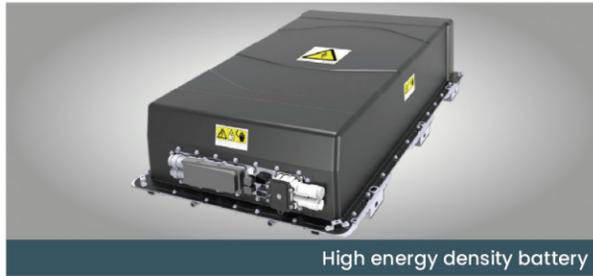
Exterior

- Sleek front wall design with modern horizontal lines.
- Eye-catching C-shaped position lamps and matrix square LED lamps.
- Vertical lights in a circular track style.

Interior

- Interior space combines aesthetics and quality.
- A minimalist encircling cabin design with integrated dashboard.
- Large luggage racks for easier luggage access.





High energy density battery



Third-generation high-efficiency motor



 **2million**
liter
fuel saved per year
every 100 vehicles

 **5,260**
ton
CO₂ emissions saved per
year every 100 vehicles

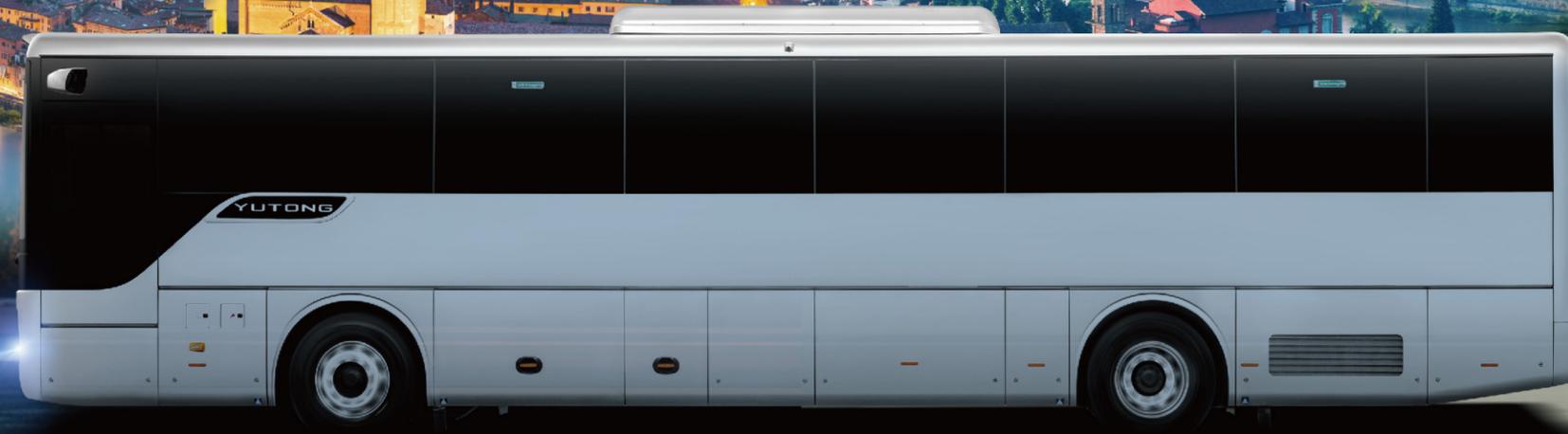
High-energy electric control system delivers longer range

- High-energy-density battery: IC12E standard configuration is 399.92 kWh while optional is 465.99 kWh, enabling a range of up to 610 km.
- Energy-saving configurations are adopted such as high-efficiency motors, variable-frequency water pumps, Michelin low-rolling-resistance tires, ECAS that dynamically adjusts with vehicle speed, and electronic rearview mirrors.
- An Integrated thermal management system for air conditioning, battery, and electric drive optimizes complete vehicle heat flow, reducing off-cycle energy consumption and enhancing overall energy efficiency.

New energy powers green range

- Every 100 12-meter electric buses can save 2 million liters of fuel annually, reducing PM emissions by 630 kg, NOx emissions by 31 tons, and CO₂ emissions by over 5,260 tons. This is equivalent to planting 40,000 trees across 20 football fields.

EXTENDED DRIVING RANGE MORE EFFICIENT AND ECONOMICAL



IC12E



SUPERIOR POWER ADAPTABLE TO VARIOUS ROAD CONDITIONS

- Equipped with a high-power drive motor, it delivers a maximum torque of 3,800 N·m and can climb gradients up to 20%, adapting well to various road conditions.
- It features stepless speed regulation for smoother operation and includes front double wishbone and rear four-link suspension to reduce jolts on uneven roads.



Front double wishbone independent suspension



3,800
N·m

Maximum torque



20
%

maximum gradeability

SUPER CAPACITY MORE THAN JUST BIG

- The vehicle has a curb weight of 13,200 kg and a max bearing capacity of 19,500 kg under standard conditions.
- The cabin space is large with over 910 mm from the steering wheel center to the guardrail behind the driver.
- The vehicle seats up to 59 passengers and offers a luggage compartment volume of 4.5 cubic meters.



19,500
KG

bearing capacity



910
mm

The distance from the steering wheel center to the guardrail behind the driver is over

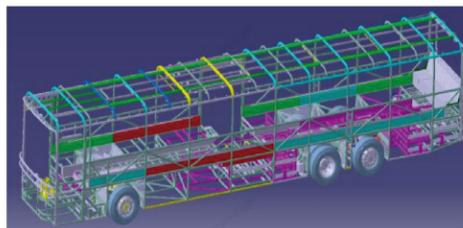


4.5
cubic meters

luggage compartment volume (500*340*200mm) *85

Reliable and Comfortable

- A high-strength frame and robust closed-ring structure for 2 million km operation.
- The vehicle utilizes 700MPa ultra-high strength steel, which is three times stronger than Q235 steel.
- Yutong Y.E.S electrocoating tech ensures no structural corrosion for over 15 years.
- Premium raw materials and advanced NVH calibration effectively isolate chassis and ambient travel noise.
- Front double wishbones, rear four-link non-independent suspensions, air springs and specialized pistons together minimize impacts of uneven roads.
- Yutong YESS battery protection system: collision-resistant battery compartment design, battery pack MSD safety device, triple-layer protective structure, advanced liquid cooling/heating technology, and 24-hour battery monitoring system.
- The battery, motor and electric control system achieves IP68 & IP6K9K protection, higher than the industry level.
- Enhanced longevity: Liquid cooling keeps the temperature below 40°C, increasing service life by 10% to 15 years/1.5 million kilometers.
- IoV realizes remote firmware updates for the vehicle control unit, body controller, instruments, and gateway.



High-strength frame



Complete vehicle cathodic electroplating



Integrated controller

EXCELLENT QUALITY RELIABLE AND COMFORTABLE



More than **15** years
no structural corrosion

2 million km
fully meet the operation needs

15 years/**1.5 million** kilometers
Battery service life

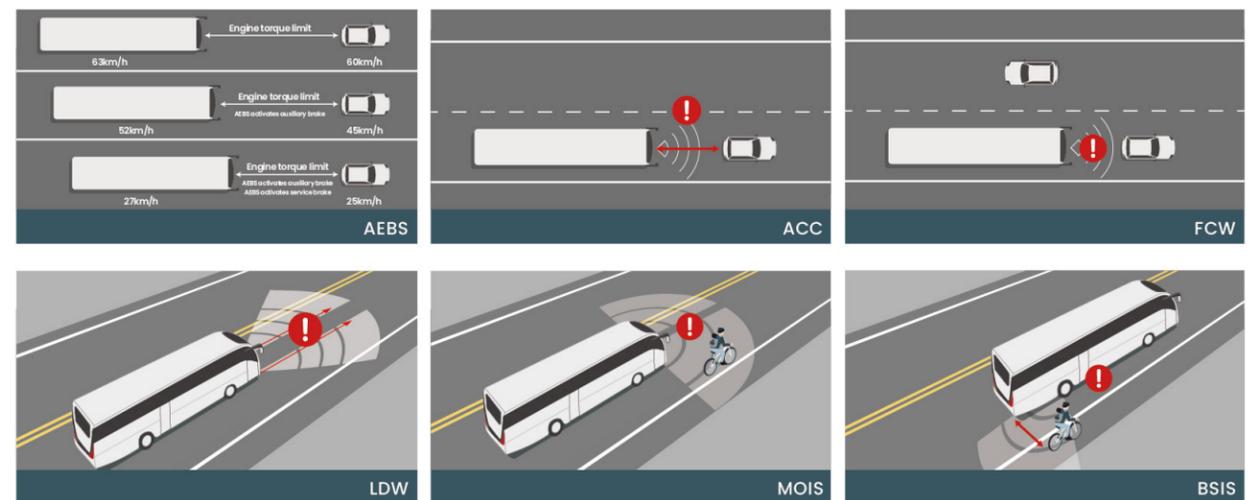
6 years or **800,000** kilometers
Maintenance-free wheel hub bearings with longer service life



EXCEPTIONAL QUALITY SAFETY TECH FOR RELIABLE RIDE

Safety tech for reliable ride

- To comply with EU GSR, active safety technologies are developed for pre-accident driving, hazard warning, and intervention control. Intelligent driving assistance systems are equipped to enhance capabilities of danger warning, prevention and avoidance, reducing collision and rollover risks.
- Key technologies for accident protection, rescue and escape are developed in areas of frontal collision, rollover, passenger protection, and fire safety to enhance bus passive safety.



GLOBAL SERVICE CASES

FRANCE

Yutong has become a top Chinese bus brand in France.

In September 2019, ICE12 were used for Provence's battery electric intercity routes, solving long-distance public transport electrification issues in small French towns. Over years, it won recognition from major operators like Keolis, TRANSDEV, Lacroix & Savac.



NETHERLANDS

Yutong's T12E battery electric coaches received positive feedback in the Netherlands, playing a proactive role in advancing green transportation.

In September 2024, T12E became one of the first battery electric coaches to enter the Dutch market. Operators are satisfied with performance, and drivers find them smooth, safe and comfortable. Yutong will keep innovating to provide sustainable, safe, intelligent transport solutions for the Netherlands, boosting local green transport.



ITALY

Yutong's battery electric intercity buses debut in Sicily, heralding a new era of green transportation in Palermo.

In March 2024, Yutong delivered 10 battery electric intercity buses to Palermo, Sicily, marking the city's first electric intercity fleet. This delivery underscores Yutong's commitment to sustainable transportation and providing Italian residents with safe, green, and comfortable travel.



AUSTRALIA

Yutong's C12E successfully completes the driving range challenge in Australia, supporting the country's green transport transformation.

In October 2024, Yutong's C12E successfully completed a long-distance driving range challenge in Australia, navigating various terrains including hills, highways, and urban areas. This coach demonstrated an impressive range of 555 km with energy consumption of just 0.63 kWh/km. Yutong's advanced technologies, including YEA, integrated electronic driving assistance, and IES-C energy-saving systems, support Australia's green transport transformation.



FINLAND

Yutong's T15E conquers extreme cold, Finnish test shows over 600 km range on full charge.

December 2024, Yutong's T15E completed an extreme cold challenge in Finland, traveling from Oulu to Helsinki under -20°C conditions. It achieved a range of 609.8 km (SOC from full charge to 2%, 0.94 kWh/km). This showcases Yutong's advanced battery and temperature control technologies in low-temperature environments, verifying its technical and innovation capabilities in electric buses and providing efficient, eco-friendly and reliable travel solutions.





PREMIUM SERVICE WORRY-FREE AFTER-SALES FOR ENHANCED VALUE

Yutong has been always refining its service modes, improving its service capabilities, and building a professional integrated service platform, so as to provide customers with more convenient and efficient high-quality service experience and meet diversified service needs.



Dedicated service team for new energy vehicles

An attentive service team providing comprehensive troubleshooting and maintenance for one-stop support.



7*24h attentive service

Delivery-registration-operation
7*24h comprehensive support



Service and Training

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



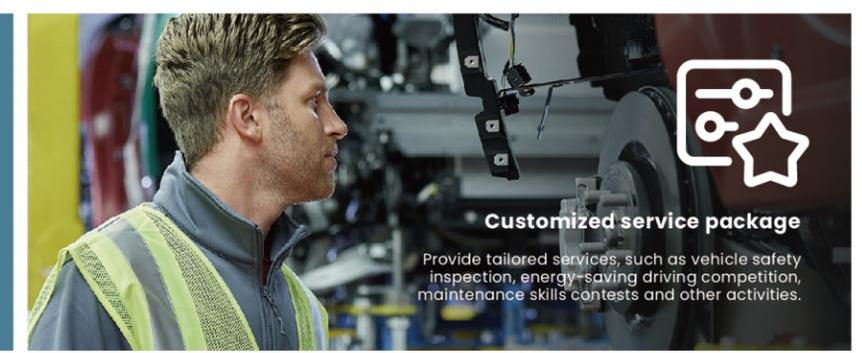
Nearby stationing for a quick response

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



Backend monitoring and proactive intervention

Offer proprietary safety monitoring systems to control vehicle operation in real time, and actively intervene to handle problems.



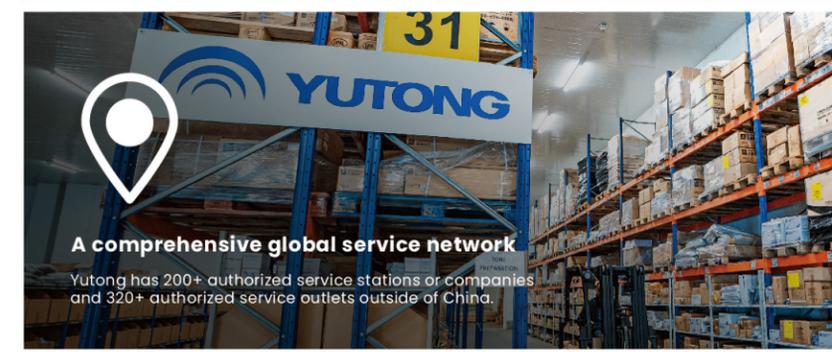
Customized service package

Provide tailored services, such as vehicle safety inspection, energy-saving driving competition, maintenance skills contests and other activities.



A comprehensive global service network

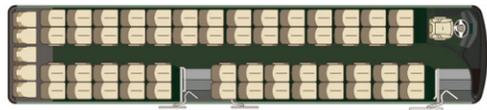
Yutong has 200+ authorized service stations or companies and 320+ authorized service outlets outside of China.



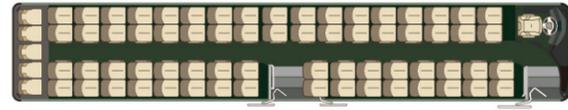
European exclusive parts distribution center

Rapid matching of genuine parts ensures superior service and efficient supply.

INTERCITY BUS CONFIGURATION PARAMETERS



IC12E



IC15E

Basic parameters	IC12E	IC15E
L*W*H (mm)	12,660*2,550*3,500	14,875*2,550*3,500
Interior height (mm)	2,060	2,060
Minimum turning diameter (m)	19	21
Approach/departure angle (°)	7.5°/8°	7.5°/8°
Wheelbase, front/rear overhang (mm)	6,380; 2,840/3,440	7,080+1,515; 2,840/3,440
Maximum driving range	610 km	680 km
Maximum gradeability	● 14% (15 km/h, 20s) ○ 20% (15 km/h, 20s)	17% (15 km/h, 20s) 17% (15 km/h, 20s)
Luggage compartment volume (m ³)	Up to 4.5	Up to 5.1
Maximum manufacturer's total mass (kg)	19,500	25,500/26,000
Maximum total mass of the chassis (kg)	20,500	28,000
Seats	Up to 59+1+1	Up to 71+1+1

Traction motor	IC12E	IC15E
Battery (kWh)	399.92/465.99	528.13/579.6
Axle	<ul style="list-style-type: none"> ● Front axle: Molead independent axle, rated load 7,500 kg ● Drive axle: Molead axle, rated load 13,000 kg ○ Front axle: ZF independent axle, rated load 7,500 kg ○ Drive axle: ZF axle, rated load 13,000 kg 	Front axle: ZF independent axle, rated load 7,500 kg Drive axle: ZF axle, rated load 13,000 kg Rear axle: ZF axle, rated load 8,200 kg
Rated/peak power (kW)	● 215/350 ○ 250/350	250/500
Rated/peak torque (N·m)	● 1,260/3,100 ○ 1,680/3,800	2,400/4,800
Chassis		
Tire	● Goodyear 295/80R22.5 ○ Michelin 295/80R22.5	● Goodyear 295/80R22.5 ○ Michelin 295/80R22.5
Suspension system	Airbag suspension	Airbag suspension
Configuration		
A/C	Cling electric heating and cooling A/C (refrigerating capacity: 32,000 Kcal/h, heating capacity: 30,000 Kcal/h, compressor made in China)	Cling electric heating and cooling A/C (refrigerating capacity: 38,000 Kcal/h, heating capacity: 36,000 Kcal/h, compressor made in China)

● Standard ○ Optional