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Website: www.yutong.com E-mail: sales@yutong.com The images may include items of optional equipment and accessories that are not installed as standard. The product is subject to technical improvement. Yutong reserves the right to change product specifications without prior notice. All rights reserved. May, 2020 Edition.

E11

YUTONG FULL ELECTRIC BUS





WHO WE ARE

World's major bus and coach supplier
Global top-selling bus brand

4 manufacturing bases
Total plant area > 3.59 million m²
Max. daily production capacity > 445 units
Max. daily production capacity of new energy buses > 375 units
5m-18m complete product portfolio, incl. city buses, coaches, commuters, school buses, special vehicles, etc.
Successful promotion of new energy bus products in over 300 cities, total sale volume exceeded 130,000 units

OUR MISSION

Create greater value for customers
and better travel for the public

Save 58,919 L fuel per year
Reduce 9,290 T NO (nitric oxide) emissions per year
Reduce over 1,600,000 T carbon emissions per year
Reduce 193 T PM2.5 emissions per year

YUTONG

WONDERFUL TRIP FANTASTIC EXPERIENCE

Yutong E11

High-end Yutong full electric tourist bus
for middle and short haul



You enjoy the scenery in the bus, the roadside people envy you.

Yutong E11 full electric bus brings you pleasant travel relying on green energy, explores infinite future with intelligent technology, and creates more possibilities for beautiful travel of the city!

Appearance



SHARPNESS AND ROUNDNESS GO NICELY WITH EACH OTHER, QUALITY MAKES DREAMS

The shape of Yutong E11 full electric bus is angular clearly combined with round style, expressing cutting feeling as well as elegant pattern.

■ Stands out in city

Entire vehicle style delivers a sense of modern city, integrating into urban life more easily.

■ Agile and elegant

Round body corners create elegant arches smoothly like feeling of diamond, reducing drag coefficient and expressing fashion style.

■ Charming and dazzling

By eagle-eye headlamp design, emphasis is placed on the front, powerful feeling is shown cheerfully.

BODY RELAXES STILL HEART FLIES FAR AWAY

Adhering to the "human-oriented" design concept, Yutong E11 full electric bus embraces you with infinite care, making every passenger immerse in comfortable journey.

■ Travel with smoothness

Simple and bright interior eases passengers while traveling.

With independent air suspension for the front axle and imitated ergonomic seat design, passengers can enjoy a relaxed and smooth ride.

Large ride space expresses spacious and transparent feeling.

■ Travel with care

On-board audio and video system provides entertainment for you all the way.

■ Travel with quietness

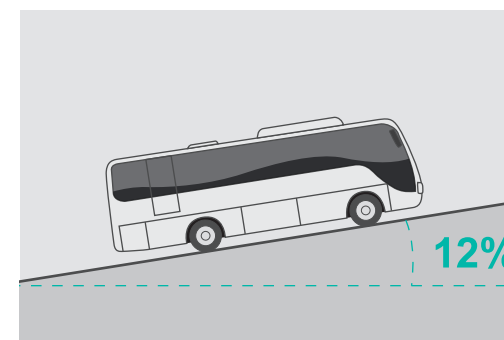
With ultra-quiet motor, axle final drive and air pump, the noise is reduced by 3 db compared with conventional vehicles, and quietness spreads around you as a whisper.





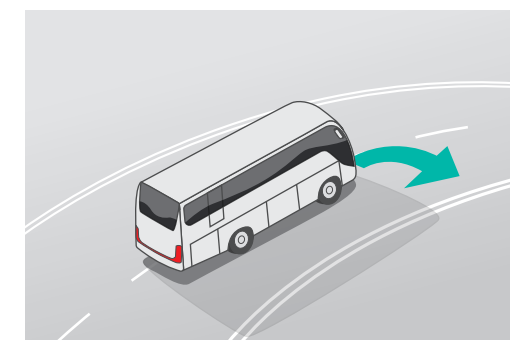
DRIVE WITH CONFIDENCE IN ANY SITUATION

“Make driving easier” is the appeal of all bus drivers. Yutong E11 integrates cutting-edge technology with convenient control to optimize working environment and make driving a Yutong bus become a pleasure.



Strong power

Time taken to accelerate from 0km to 79km is 38s, which is 10s shorter than that of traditional vehicles. Maximum gradeability reaches 12%. Driving experience is extremely great when traveling on ramp or while overtaking.



Desired driving

The steering force is similar to that of mainstream passenger cars, which can relieve your driving fatigue.

LONG DRIVING RANGE, ASSURING PROFIT

Yutong E11 full electric bus extends driving range with state-of-the-art technologies. No charge is needed throughout the whole daytime operation, thus creating more value for green mobility.



Fast charging

Centralized charging is conducted with 150kW big-power chargers, and a vehicle can be fully charged in about 2.4 hours.



ReCtrl makes the strong stronger

Unique core technology owned by Yutong optimizes the electronic control strategy of whole vehicles in real time so as to improve the driving range by more than 15%. Therefore, power consumption is as low as 0.8kWh/Km (actual).



Small size, big capacity

With high energy density battery, more energy will be stored under the same weight.



SOLID AND SAFE

Yutong always abide by the principle of "safety first" and safeguards each travel with the industry-leading safety technology. Yutong's humanistic care brings you reassuring and safe experience.

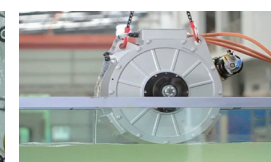
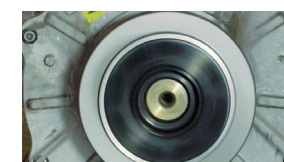


Yutong 3S safety standards

Fire proof: Buffer spaces are left in front and rear of the vehicle for high voltage devices. In case of impact, the high voltage devices do not fail easily. The power assembly parts are made of high flame retardant grade materials. Battery compartment is completely isolated from passenger cabin in the aspect of space and heat, so that, even the battery catches fire, the passenger cabin will not be threaten.

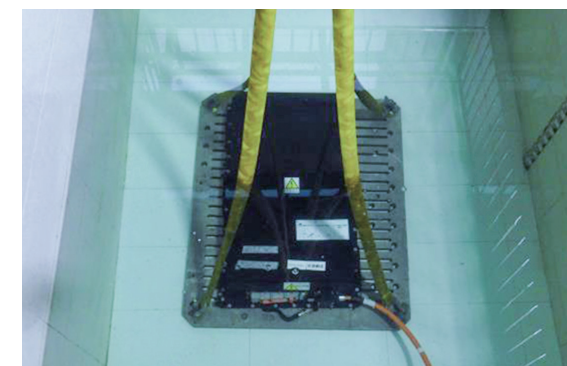
Water proof: The wading depth of whole vehicles is 300mm. So the vehicle is safe to operate even in rainy days.

Electric shock proof: There is no bare wire, terminal or connecting unit. Insulation devices, covers, protective guards and metal nets, etc. are used to avoid contacting directly.



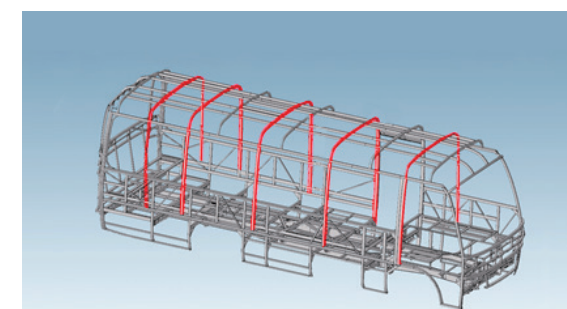
Highest protection level for the electric systems in the industry

Protection level for the battery, drive motor and electric control systems reaches IP68+IP6K9K, which is the highest in the industry.



Battery safety

The battery has passed the strictest international tests such as puncturing, burning, overcharge, short circuit, high temperature, extrusion, immersion and so on.



Structure safety

With annular frame member structure and monocoque body, the passive safety is greatly improved. The vehicle has passed crash tests on driver side, service door side and rear end.

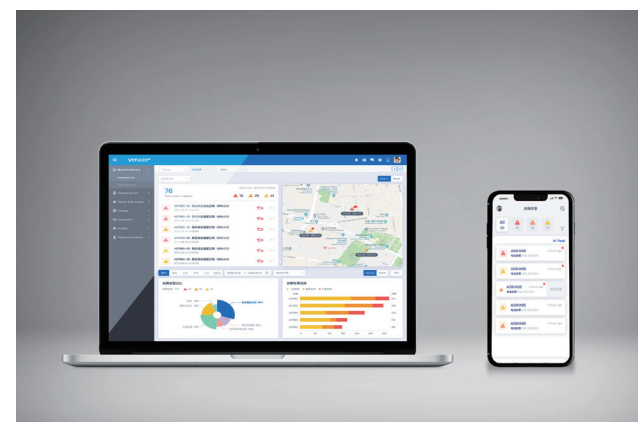
INTELLIGENT CONNECTED TECHNOLOGY TAKES EVERYTHING UNDER CONTROL

Yutong E11 integrates modern communication and network technologies to create close information communication among bus, user, operator, road and backstage. With this technology, the management efficiency of operators is improved and the operating cost is reduced, thus making the intelligent mobility under control.



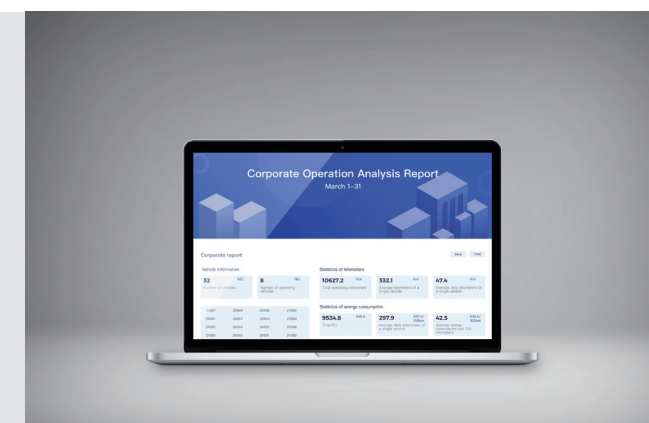
Remote fault diagnosis

Real-time grasp of fault vehicle, fault content, treatment method and other information enable you to arrange the operation and maintenance rationally.



Business operation report

Big data analysis helps grasp daily/weekly/monthly operation of the fleet in terms of mileage, energy consumption and operating time.



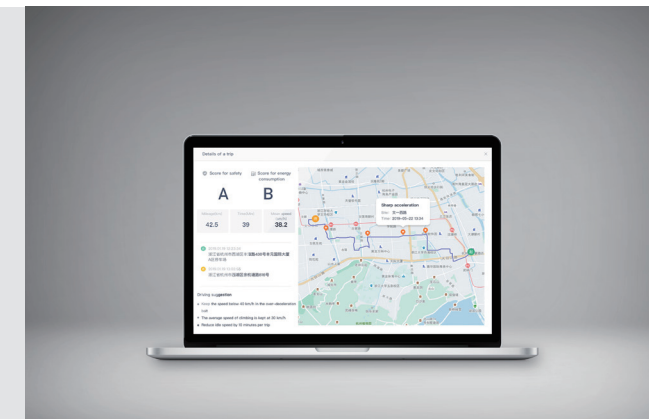
Power battery analysis report

Grasp the usage status of power batteries, provide improvement suggestions, optimize use habits and extend battery life.



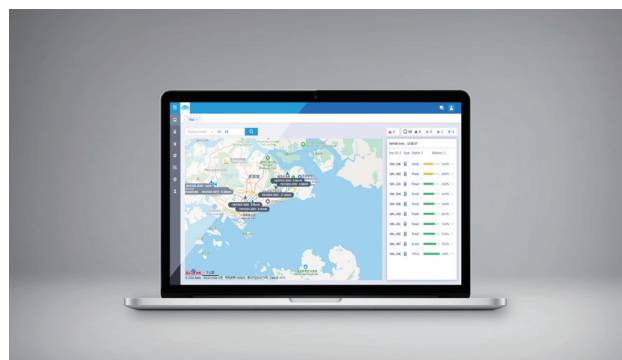
Driving behavior analysis

Assess drivers from the perspective of safety, energy saving and ride comfort to optimize the driving habits.



Real-time data monitoring

Real-time grasp of fleet operation, energy consumption and fault information enable you to make timely judgment and decision on various situations.



Energy consumption management

The real-time energy consumption level can be grasped, and the reduction of energy consumption cost can be achieved through big data analysis.





INGENIOUS DESIGN SUCCEEDS IN DETAILS

With years of in-depth research in bus manufacturing field and accurate insight into actual usage needs of operators, all parts and components of Yutong buses are designed carefully for better and easier maintenance and repair.



Turnable front wall design

Provide better accessibility to various parts in the vehicle for easy dismounting and maintenance.

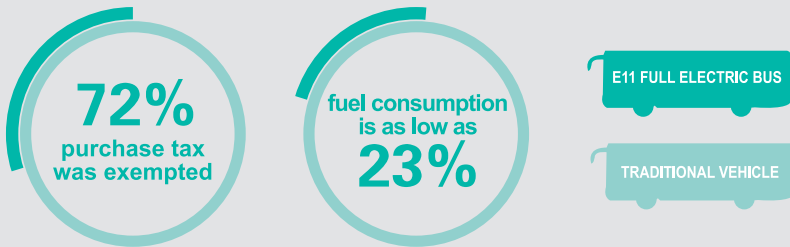


OPERATING ADVANTAGE SHOWS IN LONG-TERM OPERATION

Time witnesses quality, and value generates trust. Yutong E11 is built from the perspective of users, whose full life cycle cost is lower and the comprehensive economic benefit is more significant.

LCC comprehensive operation cost comparison

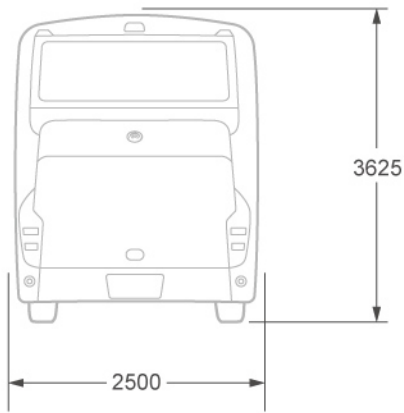
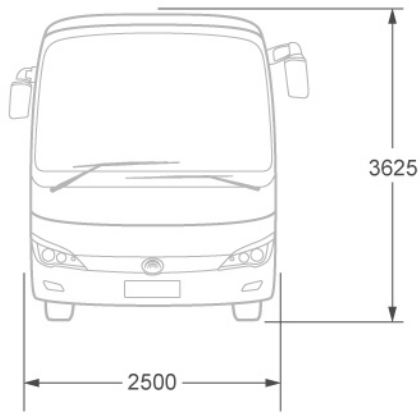
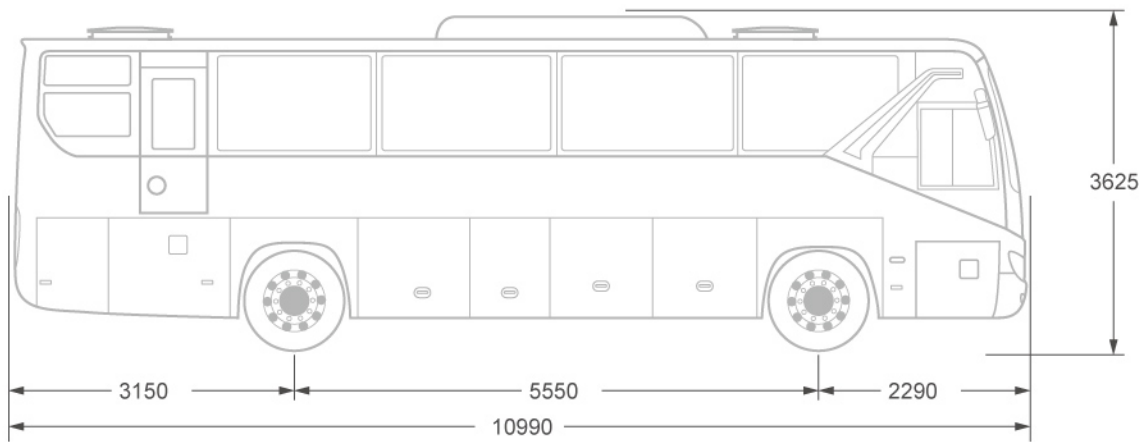
Compared with traditional vehicle, 72% purchase tax was exempted and fuel consumption is as low as 23%. Comprehensively compare their LCC, the full electric vehicle completely will surpass traditional vehicle five years later.






VEHICLE SPECIFICATIONS

(mm)



E11

SPECIFICATIONS

SPECIFICATION	
L*W*H(mm)	10990* 2500* 3625
G.V.W. (kg)	17000
Service door	1 service door +1 safety door
Max. gradeability (%)	12% (15km/h)
Continuous gradeability (%)	5.5% (60km/h)
Power battery(kWh)	350 , liquid cooling
Drive motor system	Direct drive electric system
Suspension	Air suspension
Front / rear axle	5.5T /13T
Steering system	Imported steering gear, black genuine leather mahogany steering wheel
Charge mode	DC charging with 2 charging guns (can also charged with 1 gun)
Steering assist system	Electro-hydraulic power steering system
seats	 45+1+1

The document is for reference only and the product is subject to the physical vehicle. Yutong reserves the right of final interpretation.