



## EXTRAORDINARY TECHNOLOGY



**Vehicle Cathodic Electrophoretic**—the vehicle durability and reliability ensured: the fully automatic electrophoresis production line with 4 steps and 16 processes combines ideal fusion of the world-class process technology, equipment and materials. A five-layer protection system of "galvanized sheet + phosphating film + electrophoretic paint + midcoat paint + topcoat" is formed utilizing the pretreatment agent of Henkel and the cathodic electrophoretic paint of American brand PPG, realizing elevated protection level, more comprehensive anticorrosion, and ever lasting operation.



**High-strength flooring**—the vehicle reliability and durability ensured: high-strength birch flooring imported from Finland has excellent comprehensive performance of weather resistance, corrosion resistance, strong strength and sound insulation, adaptable to extreme weathers such as high temperature, high humidity, high cold, rainy and snowy weather. Reliable and durable, the vehicle boasts prolonged operation lifespan.



**Three-electric system protection**—the components safety and reliability ensured: the protection level of three-electric system (the battery, vehicle controller and motor protection) reaches IP68. Even soaked as long as 24 hours in 1-meter-deep water, the pack and casing sees no water, fire or explosion, with guaranteed components safety and reliability.



**Highly-integrated controller**—reliable HV connection ensured: the industrial leading five-in-one integrated controller, with the number of HV connection points reduced from 27 to 11, completely protecting new energy vehicles from too many HV components, complexity of harness connections, too many HV connection points and potential safety hazards.



**High electromagnetic compatibility**—low electromagnetic radiation ensured: the electromagnetic radiation level of the integrated controller meets CLASS 5 requirements, with ultra-high electromagnetic compatibility and low electromagnetic radiation, facilitating normal electronic equipment operation of the vehicle and passengers.

**Sediment protection & anti-condensation structure**—reliable operation of the motor ensured: the industry's original sediment protection structure effectively prevents the motor from being damaged by sediment entering the motor. The unprecedented anti-condensation structure of generator effectively prevents the water from affecting the line insulation performance, generated in low temperature environment on the inner surface of thin-walled parts such as junction boxes.



### E11 PRO

Total length * Width * Height (mm)	11200*2550*3290
Wheelbase (mm)	5800
Factory set maximum total mass (kg)	19000
Minimum turning diameter (m)	≤20
Motor rated power (kW/rpm)	215
Motor rated torque (N.m/rpm)	1260
Cooling capacity of A/C (kcal/h)	38000
Heating capacity of A/C (kcal/h)	36000
Front axle	ZF RL82EC
Rear axle	ZF AV133
Suspension	ECAS with lifting system
Steering	BOSCH 8098
Tire	Goodyear 305/70R22.5
Rim	Aluminium alloy
Battery type	Lithium iron phosphate
Battery control technology	Automatic temperature control
Charging type	European Standard DC charging socket
Seating capacity	30+1

Seats



Yutong Bus Co., Ltd.

Yutong Marketing Center, Economic and Technological Development Zone, Zhengzhou, China, Tel: +86 371 6671 8999 Website: www.yutong.com E-mail: sales@yutong.com Follow us on Facebook & Twitter & YouTube at Yutong Bus & Coach 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. January, 2022 Edition.



## E11 PRO

### YUTONG BATTERY ELECTRIC BUS



## TRENDY OUTFIT



- **Integrated outlook design:** simplistic and futuristic; smooth and streamline outlook contributes to the vitality of city.
- **Integral front design:** an outlook breakthrough, unveiling brand-new aesthetic concepts.
- **Brilliant spotlight headlights:** four analog matrix lens headlights, smacking of science and technology, with prolonged service life while saving more energy.
- **Wide-vision rear-view mirror:** rabbit-ear rear-view mirror with trendy design, making vision broader and safety enhanced.



## SUPERB DRIVE

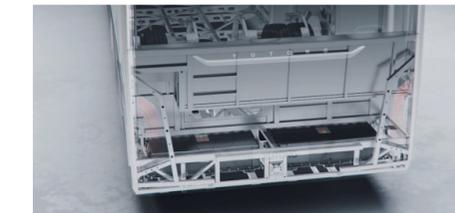
- **Integrated driver's enclosure:** the integrated design of the driver's rear enclosure, with embedded monitoring display, enhancing the interior modernity.
- **All-liquid crystal instrument:** all-liquid crystal display, realizing clearer information display and better driving experience.
- **All-airbag driver's seat:** improved internal sponge with shoulder and waist support added. Functions of double handrails, seat belt unfastened alarm, seat leaving alarm, one-button downhill equipped to make driving safe besides pleasant.

## PLEASANT RIDE

- **Promoted driving comfort—front independent suspension:** equipped with front ZF independent suspension axle and rear ZF drive axle, making vehicle mobility improved, driving efficiency optimized and driving unit noise lowered with reliable and lightweight design, leading to optimal driving experience.
- **Improved seating coziness—a new generation of broad seats:** brand-new ergonomic seats with 30 mm thick cushion, refined injection molding process and lighter weight design, conducive to further environmental protection and more amiable ride.
- **Wheelchair area for the disabled:** specialized wheelchair expansion area and optimized space function, making it convenient for the disabled with humanistic care.



## SUPERIOR QUALITY



**Vehicle body protection safety—the safety of components ensured:** battery crash barrier, motor protection board and battery protection bracket, comprehensively protecting the vehicle key parts, thus ensuring safer operation.

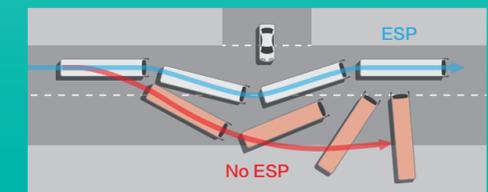


**Battery performance safety—the vehicle operation safety ensured:** battery cells and modules have all passed such tests as acupuncture, extrusion, heating, high temperature, short circuit and soaking. Battery packs, HV and LV harnesses and connectors all made of flame retardant materials guarantee the battery performance safety. Pioneering enhanced battery safety equipment with nitrogen, liquid heat and fire cover newly included, reducing the risk of HV failure and fire. Through proactive protection, safe operation is safeguarded.



**Overall structure safety—vehicle body collision safety ensured:** designed into the diamond closed-loop structure, with key stress profile made of lightweight high-strength steel (the tensile strength reaches 750-880 Mpa), making the vehicle body stronger and safer.

**“Ruidun” safety package—potential driving hazards reduced:** the safety package provides a complete set of solutions to prevent driver's irregular operation, with four major functions comprised: shifting strategy optimization during driving, stepping on the brake and powering on, preventing accidental stepping on the starting accelerator and canceling creep when leaving the seat, so as to cut down potential safety hazard arising from drivers' irregular operation.



**Electronic security systems—vehicle operation safety safeguarded:** Electronic Brake Control System (EBS) makes reality shorter braking distance and faster braking, bringing safe, stable braking and ideal ride. Electronic stability control system (ESC) can avoid the rollover risks during turning, ensuring flexible drive to the driver's intention, while increasing the proactive safety performance.