



ADVANCED CONTROLS

- Due to no transmission gear changes, the E12 provides an ultra-smooth operation which results in extra comfort & safety for passengers against slip and trip hazards.
- Active safety system with EBS & ESC increasing vehicle safety.
- Ergonomic Floating instrument panel with switches & LED screen ensure clear vision for the driver in any driving position.



INTERIOR

- Ultra-low floor design ensuring easy access for all passengers with fold out wheel chair ramp.
- Dual wheel chair areas with back stop to ensure passenger safety.
- USB charge ports are available in the driver' s & the wheel chair area.
- Modular seating with stainless steel anti vandal backs.



FULL ELECTRIC VEHICLE SAFETY

Improving the safety of our vehicles is always a main priority, with the help of breakthroughs in technology the safety of our full electric vehicle is uncompromising.

ELECTRIC SHOCK RESISTANCE 1

High Voltage electrical parts of system are designed to prevent direct contact.
Constant real-time monitoring of the high voltage insulation resistance will trigger both visual and audible alarms, as well as automatically shut down the high voltage power system if the insulation resistance value drops below the minimum requirement.

FIRE RESISTANCE 3

All high voltage components are kept within safely contained areas at the front and rear of the vehicle. The use of buffer zones and our body Anti-crush structure ensure our high voltage parts are still functional in the event of a collision.
Spatial and thermal isolation between the battery cabin and the passenger compartment guarantee the safety of passengers, even in the event of a fire emergency.
Further to this, all our full electric powertrain parts are assembled using the highest grade of flame-retardant materials.

RECHARGING SAFETY 4

When compared to AC recharging, the DC recharging method adopted by Yutong is believed to be safer due to its active and passive protection mechanisms in conjunction with its isolation from the electrical grid. Illustrated by research stating that the maximum leakage current of DC recharging at 10mA while the maximum leakage current of AC recharging can reach up to 30mA.

BATTERY SAFETY 5

The batteries have gone through a series of high temperature, short circuit, crush, submersion, overcharge, puncture, destructive tests.
The battery management system (BMS) monitors the temperature, voltage, current and condition of each cell. This combined information allows the BMS to display warnings in the event an fault occurs.

WATER RESISTANCE 2

The protection level of the full electric powertrain system meets IP68 requirements.



3S SAFETY TECHNOLOGIES

Designed by Yutong, 3s safety technologies has been implemented in all our new energy vehicles currently operating in various environments around the globe. 3S safety has been designed around water, fire and electric shock resistance the main three important factors when discussing the safety of electric vehicles. In order to achieve our 3S safety technologies, Yutong has undertaken extensive research regarding material, sealing and structural safety. Our extensive research extends not only to development, manufacturing, transportation and storage but also to usage, maintenance, operation, monitoring and more. With this information we have comprehensively enhanced the overall safety of our electrical vehicles.

E12

100% FULL ELECTRIC BUS
THE NEW CHOICE FOR ZERO EMISSION PUBLIC TRANSPORT



E12



Overall Dimension

Item	Specification
Length*Width*Height (mm)	12170*2500*3420
Wheelbase (mm),Front/Rear Overhang (mm)	6000,2740/3430
Track Front/Rear (mm)	2105/1838
Tare Weight (kg)	12500
Front/Rear Axles	4300/8200
GVM	18000
Max.Speed km/h	90
Approach Angle/Departure angle (°)	8°/8°
Bus structure	Steel
Passenger capacity	40seated/30 Standees 2 wheel chair spaces

New energy

Item	Specification
Emission	0
Motor Model	YTM280-CV9-H
Rated Power (kW/rpm)	215
Rated Torque (N.m/rpm)	1200
Vehicle control unit	Yutong
Battery Capacity	374kwh Lithium Battery
Fuel type	Pure electric

Seat layout

