

Intelligence, providing protection for your journey

Integrated intelligent technology and smart driving, ensuring worry-free operations



Vehicle+ smart fleet management system

- Safety management system, Vehicle+, comprehensively monitoring the key components and driving status of the vehicle, and giving early warning of risks
- Accurate positioning, enabling quick identification of vehicle locations; flexible grouping monitoring of vehicles, enabling quick management of vehicle and route adjustment
- Analysis and scoring of drivers' driving behavior by V*Manager, reducing passenger complaints and fuel consumption



- GIS Monitoring**

 - Vehicle position
 - Vehicle status
- Line diagram**

 - Line stops
 - Real-time position
- Scheduling**

 - Departure plan
 - Real-time scheduling
- Vehicle+ITS**

Wisdom motorcade management system
- Driver attendance**

 - Attendance plan
 - Attendance record
- Video monitoring**

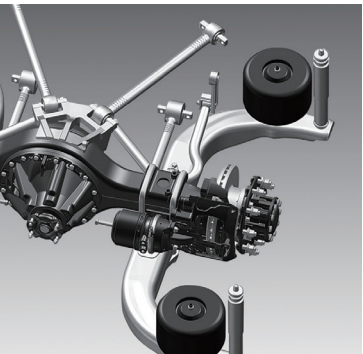
 - Videos for front and rear doors
 - Driver monitoring
- Track playback**

 - Historical lines
 - Historical vehicle conditions

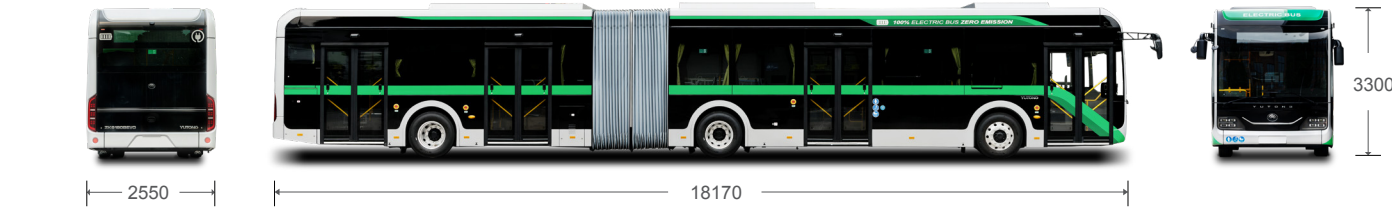


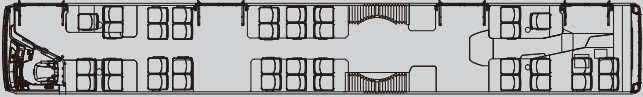
Comfortable driving and riding experiences

- Instrument panel, featuring ACTIA full LCD instrument, and representing a classic and stylish design User-friendly instrument panel with multiple storage spaces, meeting the daily needs of drivers and enhancing driving experience
- Large driver partition and high door with high-end and stylish appearance, isolating the driver from passengers and protecting the driver's privacy
- Double-layered glass with superior sound insulation, noise reduction, and heat insulation, maximizing passenger comfort
- Imported air spring suspension system with low-noise gear, maintenance-free, bringing a smooth and high-quality experience



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E18 PRO	
item	Standard configuration
Overall L*W*H	18170*2550*3300
Approach angle/departure angle (°)	7/7
Minimum turning diameter (m)	≤21.5
Motor drive system	Motor direct drive, battery electric
Battery system	563.83 kWh (16C case) lithium-ion traction battery (liquid cooling)
Rated power (kW/rpm)	250
Rated torque (N.m/RPM)	2400
Steering gear	Imported steering gear
Brake safety system (ABS, EBS and ESC)	EBS
Air suspension adjustment system (ECAS)	With ECAS and kneeling function
Centralized lubrication	Without centralized lubrication/with centralized lubrication (optional)
Suspension system	Air spring suspension
Front axle	Molead 7.5T independent suspension/ZF RL82EC independent suspension (optional)
Intermediate axle	ZF AVN132 support axle
Rear axle	ZF AV133 drive axle
Tire	Goodyear 305/70R22.5 / Michelin 305/70R22.5 (optional)
Articulation system	Jointech
A/C	Cling battery electric heating/cooling A/C (integrated liquid cooling), with a refrigerating capacity of 56,000 Kcal/h (32,000 Kcal/h in the front + 24,000 Kcal/h in the rear)
Passenger's seat	38 CS001 cushioned bus seats (440 mm) + 2 flip seats (wheelchair area), including 4 priority seats
Layout of Seats	 38+2+1



E18 PRO

NEXT-GENERATION, MID-TO-HIGH-END BATTERY
ELECTRIC BUS FEATURING HIGH CAPACITY



E18 PRO

Super adaptability

Great trafficability, despite its 18m length, comparable to that of a 12m vehicle



·Approach angle/departure angle of 7°, effectively reducing collisions of the front/rear bumper and improving adaptability to different routes



·High fording depth (450 mm), adaptable to more complex road conditions



·Low-floor structure and four-door design, enabling fast boarding and alighting in popular routes and crowded areas



Ultra-high capacity

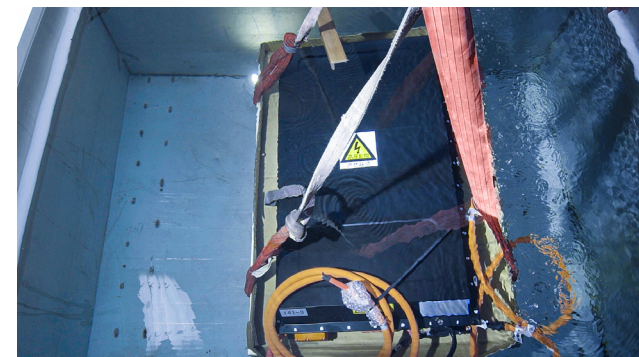
Low floor Plenty of seats Large standing area

Flat floor space from front to rear, ensuring greater effective utilization of space; including wheelchair area; 38 seats; flexibility to expand the maximum capacity to 120



All-round active and passive safety

Comprehensive safety measures, providing all-around protection for your journey
Yutong Electric Safety Standard (YESS) released globally in August 2021, elevating safety to new heights



Vehicle protection



Pack protection

Multi-level thermoelectric coupling protection, effectively isolating internal and external safety risks, creating an impenetrable "fortress" for the batteries



Battery (top + rear)

Avoid bumping caused by any bottom battery, and improve safety as the battery is away from the passenger area



Component protection

Multi-pack high-efficiency liquid heating technology, eliminating high-voltage heating components in the pack, and keeping the battery stay far from potential "igniters"



Monitoring protection

Real-time battery safety control with a 24/7 uninterrupted monitoring system



Electronic brake system (EBS)

Shorter brake distance and faster brake, ensuring the vehicle brake safety

Front wall collision energy-absorbing structure

Rear-end collision protection structure and energy absorption structure, dispersing the transmission path of collision force, to ensure the life safety of the driver and passengers to the greatest extent

