

# ALONG WITH GREEN

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ECO ESS Ltd

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# e-BUS

ECO ESS



Global 500 New Energy Enterprise



Top 500 Manufacturing Enterprise in China



Quality Leading Enterprise



CE Certificate Product



Caring Design Throughout The Ride



## Bionic Design Galloping Experience

The appearance of the bus adopts bionic horse design that manifests power and force, delivering visual aesthetic from the union of strength and speed.



### Dragon-eye headlights design

The fiery headlights embody the "dazzling pearl" concept, making the bus all the more attractive.



### Horsetail rear lamp design

The rear lamps adopt horsetail shape design, which add to the dynamics of the bus.

The vehicle adopts one-step boarding for easy access. It's also installed with special foldable seats for the disabled and USB sockets, offering humanized and convenient service for passengers.



### Onboard USB sockets

USB sockets for charging mobile phones, tablet computers and other portable digital devices, which is convenient and solves any battery crisis en-route.



### One-step low floor for easy boarding

Instead of multiple steps, the entrance adopts one step boarding design, which is easy to get on and off.



### Flip ramp for wheelchair access

A manually controlled flip ramp is installed for passage of wheelchairs, which greatly increases accessibility for inconvenient passengers.



### Foldable seats

Foldable seats are installed on the vehicle with labels indicating special use, which can provide space for wheelchairs and baby strollers when folded. Convenience comes from reasonable space allocation.

## Steering ahead Exploring the fun of driving

The control panel in the driver's cabin adopts integral enclosing design, and was equipped with anti-glare LCD instrument and multifunctional operating system, allowing for easy maneuvering.



### All-enclosed driver's cabin

The driver's cabin is fully enclosed to protect drivers from outside disturbances, which at the same time allows passengers to monitor the driver's condition at all times.



### Anti-glare LCD instrument

Anti-glare LCD instrument can display information much more clearly, which can reduce visual fatigue resulting from long hour driving.



### CCTV system

A CCTV system is installed on the bus with a 10 inch monitoring screen to display interior and exterior image of the bus, leaving no blind spots unchecked.



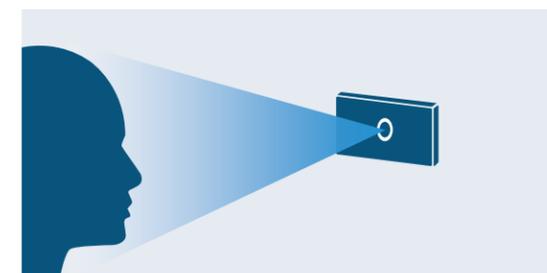
## Guarding safety Yinlong takes the lead

The vehicle employs state-of-the-art intelligent drive assist safety system and devices and multiple electronic safety technologies to achieve informatization management of the vehicle data. Combined with standard safety equipments, these technologies can guarantee passenger and driver safety at all fronts.



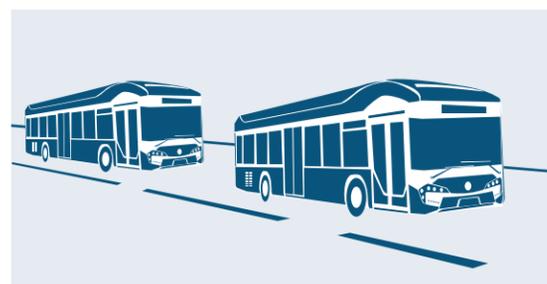
### 360°panoramic view system

The vehicle system has an ultra wide angle image transmitter that collects the surrounding images of the vehicle, which was then processed by the image processing unit. With the help of ruler guide, it could locate obstacles and detect their distance, assisting drivers in parking and passing complicated road conditions, reducing the possibility of scrapping, bumping and sinking.



### Driver fatigue monitor system

This system is equipped with high precision visual sensor, which could scan and analyze the driver's condition at all times through image recognition analysis. When sensing dangerous driving behaviors, it could send out warnings and transmit data and video to terminal management platform, helping operators to take effective measures to avoid accidents.



### Lane departure and front collision warning system

Based on the visual and radar information fusion sensor system, this system can recognize all types of lanes and detect curb conditions, monitoring road conditions ahead of vehicles. The system can predict different potential dangers and send out warning through buzzers and warning light, helping drivers to avoid or reduce the possibility of collisions.



### Safe energy-conserving system

Through visual sensing system, it can detect information such as the relative distance and speed of the vehicle ahead, which helps to optimize the energy management strategy of the bus while guaranteeing safety. This could help to reduce energy consumption and increase brake energy recycling, achieving energy conservation without undermining safety.

## Excellent horsepower Speedy arrival

The vehicle is equipped with quality LFP power batteries, which features zero-pollution, zero-emission, high safety and high efficiency. It could readily meet the daily operational requirement for electric buses, promoting efficient operation of urban public transportation.



### Power batteries with excellent performance

Zero pollution, zero emission, high safety and high efficiency.



### Intelligent motor controller

Easy to start and easy to operate.



### Innovative energy-saving permanent magnet synchronous motor

Small size, low energy loss and high power factor.

## Technical parameters

Vehicle	Total length(mm)	12000
	Total width(mm)	2550
	Total height (kg)	3260
	Curb weight (kg)	12900
	G.V.W(kg)	19000
	Rated passenger Capacity(person)	27 seats/80 passengers
	One step height of passenger door(mm)	≤340
	Net height of low floor area inside the vehicle	2420
Power	Motor power(kW)	245
	Motor Torque (N.m)	3329
	Battery type	LFP
	Total power capacity	350.1kWh
	Electric A/C	Electric air conditioning, 20kW cooling capacity, heating (heat pump 18kW, PTC10kW). Driver has separate heating and venting. Driver has separate AC air vents above and in front.
Chassis	Front axle	ZF
	Rear axle	ZF
	Suspension	Air spring with ECAS
	Steering system	Electric power steering, THP90
	Braking system	Front and rear disc. EBS braking
	Tyre	6pcs, 275/70R22.5, rim: 8.25*22.5, aluminum alloy.
	Suspension	Air suspension, with two front air bags and four rear air bags.
Vehicle body	Bus layout	Seat:27 +1
	Side hatch door	Aluminum alloy side hatch door
	Vehicle door	Passenger door: front pneumatic double internal swing door, rear sliding door; net width of passenger door is 1200mm.
	Passenger seat	27 ergonomic molding plastic seats, 4 priority seats. Passengers seats meet EU standard. Seats for disabled people are equipped with raising armrest.
	Air duct	Aluminum alloy air duct, panoramic advertisement light box, LED bar light.
	Electrical equipment	24V low voltage battery
	Front defrost device	High voltage electric defrost
	Windscreen wiper	Two-speed wipers

