

ALONG WITH GREEN



ECO ESS e-COACH



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Global 500 New Energy Enterprise



Top 500 Manufacturing Enterprise in China



Quality Leading Enterprise



CE Certificate Product

ECO ESS e-COACH

ECO ESS Electric 12m Tour Coach is a luxurious commercial passenger coach that features elegance, intelligence and high efficiency. It's suitable for short-distance commuting routes, tour bus routes, or other fixed routes.



Elegant appearance



Intelligent control



Comfortable space



Strong power



Efficient operation



Stylish Appearance Outstanding Quality

Front face adopts classic design of square and arch transition; the vehicle appearance is appealing and elegant, appropriate for most scenarios.



Front headlights

Bead string like lamp combination, unique and eye-catching.



Back taillights

Small round lamp design, allows for uniform light distribution and requires low energy consumption.



Luggage compartment

Open-ended compartment allows for storage of large luggage.

Strong Power Efficient Operation

It is equipped with quality power batteries, which improve operational capacity and thus efficient operation. It's a preferred option for efficient city traveling.



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.



Providing Comfort All The Way

The vehicle is equipped with USB sockets, high-back soft-covering seats, touch switch reading lamp, first aid kit, etc., which greatly improve comfort and convenience for passengers.



USB socket

Passengers can charge their mobile phone or tablet computer at any time, which is convenient to use and meets any urgent needs.



Touch switch reading lamp

Touch switch reading lamp offers comfortable and convenient ride experience.



High-back soft-covering seat

Adjustable seat back to relief fatigue from long-hour ride.



First aid kit

Onboard first aid kit for crew members or passengers in the case of emergency.

Advanced Technologies To Ensure Safety

The vehicle body adopts full-bearing closed ring structure, and is installed with intelligent battery management system (BMS), on-board smoke detecting alarm system, lane departure and collision warning system, etc., and also equipped with safety devices such as emergency escape window, fire-extinguisher, emergency hammer, anti-collision beam and front & back door emergency switch, guarding passenger safety and providing convenience.



Structural safety

The vehicle body adopts full bearing enclosed structure and the main weight-bearing unit structures are optimized to guarantee driving safety and reduce energy consumption at the same time.



Battery safety

The vehicle is installed with intelligent BMS, which can self-diagnose and send out alarm to prevent overcharge or over discharge of battery.



Fire Prevention

Flame resistant materials and smoke detecting alarm system are employed, which can cope with different fire emergencies and helps to identify and put out the source of flame before a fire is developed. It features fast response, safety and reliability.

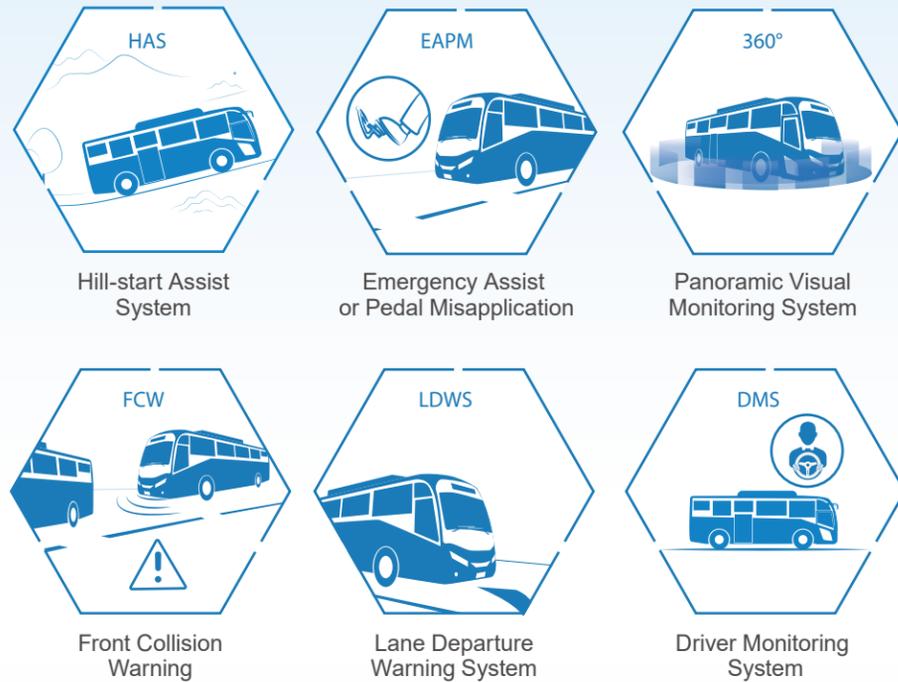


Driving safety

By installing visual fusion and radar sensors, the vehicle can use lane departure and collision warning system to effectively reduce the risk of accidents.

Intelligent Control For Better Maneuverability

With the help of image processing, face recognition, vehicle detection, lane line recognition and wireless communication technologies, and an intelligent driving assistance system, the vehicle can send out real time safety warnings to drivers and the vehicle, greatly improving driving convenience and safety.



Technical Parameters



Vehicle	Length(mm)	12000
	Total width(mm)	2550
	Total height(mm)	3490
	Curb weight (kg)	13000
	G.V.W(kg)	18000
	Rated passenger Capacity(person)	51+1 (guide seat) +1
Power	Battery type	LFP
	Total power capacity	350.1kWh
	Monitoring module	Remote monitoring module
	Electric power steering pump	Electric power steering pump
	Electric air pump	Oil-free air pump
	Electric A/C	Electric air conditioner with both cooling and heating functions, 20kW cooling capacity
Chassis	Front axle	Dongfeng Dana front axle, load-bearing capacity 6.5T, KNORR 22.5" disc brake
	Rear axle	Dongfeng Dana rear axle, load-bearing capacity 13T, KNORR 22.5" disc brake, speed ratio 6.143, double side high precision gear, gear surface reinforced on both sides, improved surface smoothness, no abnormal sound during operation
	Suspension	Front 2, rear 4 air suspension, with front and rear horizontal stabilizer bar
	Steering system	Electric power steering system, Hubei Tri-ring power steering gear(model:3401ZB3). Transparent power steering oil tank for easy observation of oil level
	Braking system	Front and rear disc braking, Energy storage spring parking brake (steel air cylinder), EBS.
	Tyre	295/80R22.5 inner tube free radial tyre (meet European standard), Aluminium rim, full size spare tyre
	Structure type	Monocoque type, steel frame, closed ring structure
Bus Body	Base frame	Torque tube truss
	Bus layout	51+1 (guide seat)+1(driver seat), 2+2 layout, seat pitch is more than 680mm which required by EU standard
	Side hatch door	Whole aluminum manual flip up side hatch door
	Vehicle door	Aluminum alloy front and middle single pneumatic internal swing door
	Curtain	Folding-type fabric curtain
	Floor/flooring covering	12mm bamboo plywood(slot floor), non-slip wear-resistant floor leather
	24V low voltage battery	80AH*2, maintenance-free battery
Electrical equipment	Monitoring device	Middle door, reverse + instrument display, Car video monitoring system and four-way probe
	Front defrost device	High voltage electric defroster
	Windscreen wiper	Two speed wiper
	Others	Outside vehicle low speed alarm, and speed limit alarm of visual and acoustic signal device