ULTIMATE COMFORT ALL-ROUND DRIVING EXPERIENCE

New dashboard

The layout of electrical appliances is optimized based on ergonomics to increase accessibility for the driver. And the layout of electrical operating parts is more user-friendly. This significantly improves driving experience and eases the workload.

The air-suspended driver seat

It takes comfort and functionality to a new level. Benchmarking against comparable international manufacturers, functions including lumbar support, backrest cushion vibration massager, seat warmer, off-seat alarm, and seat belt unfastened alarm can be added. It significantly enhances long-distance driving experience and driving safety.

PRODUCT PARAMETERS

Product model		ZK6890CHEVG	ZK6126CHEVG
Item		Configuration description	
Basic parameters	L×W×H (mm)	8940×2420×3140	12170*2500*3500
	Max. speed (km/h)	70 (speed limit)	70
	Complete vehicle curb weight (kg)	9100	12350
	Max. number of passengers (including driver)	61	95
	Wheelbase, front overhang/rear overhang (mm)	4350, 2000/2590	6000,2740/3430
	Compartment interior height (mm)	2460 (front passage of middle door)/ 1820 (rear passage of middle door)	2470 (front passenge of middle door)/ 1900 (rear passage of middle door)
	Min. turning diameter (m)	≤16	≤24
	Front /rear axle (kg)	4700/8700	6300/12700
Engine Information	Emission	EURO III	EURO III
	Displacement (L)	4.156	6.234
	Model	YCS04 180	YCS06245
	Rated power (kW/rpm)	132/2300	180/2100
	Powertrain	Hybrid	Hybrid
Chassis	Power system	YCS04180-31 Engine + DMT power system, 16 series super capacitor	YCS06245-32 Engine + DMT power system, 16 series super capacitor
	Axle	Front disc and rear disc (Molead)	Front disc and rear disc (Molead)
	Brake safety system	EBS	EBS
	Suspension system	Airbag, independent front suspension	Airbag, independent front suspension
	Fuel tank	120L	125+125L
	Thermal management	Engine thermal management system	Engine thermal management system
	Tire	Giti 265/70R19.5	Giti 295/80R22.5
A/C	A/C	Cling A/C with cooling capacity 24000Kcal/h	Cling A/C with cooling capacity 38000Kcal/h
Seat	Number of seats + seat model	19 CS001 non-padded seats, 1 wheelchair area (2 flip seats)	36CS001 non-paded seats, 1 wheelchair area (2 flip seats)
	Driver seat	3-point airbag suspended driver seat	3-point airbag suspended driver seat

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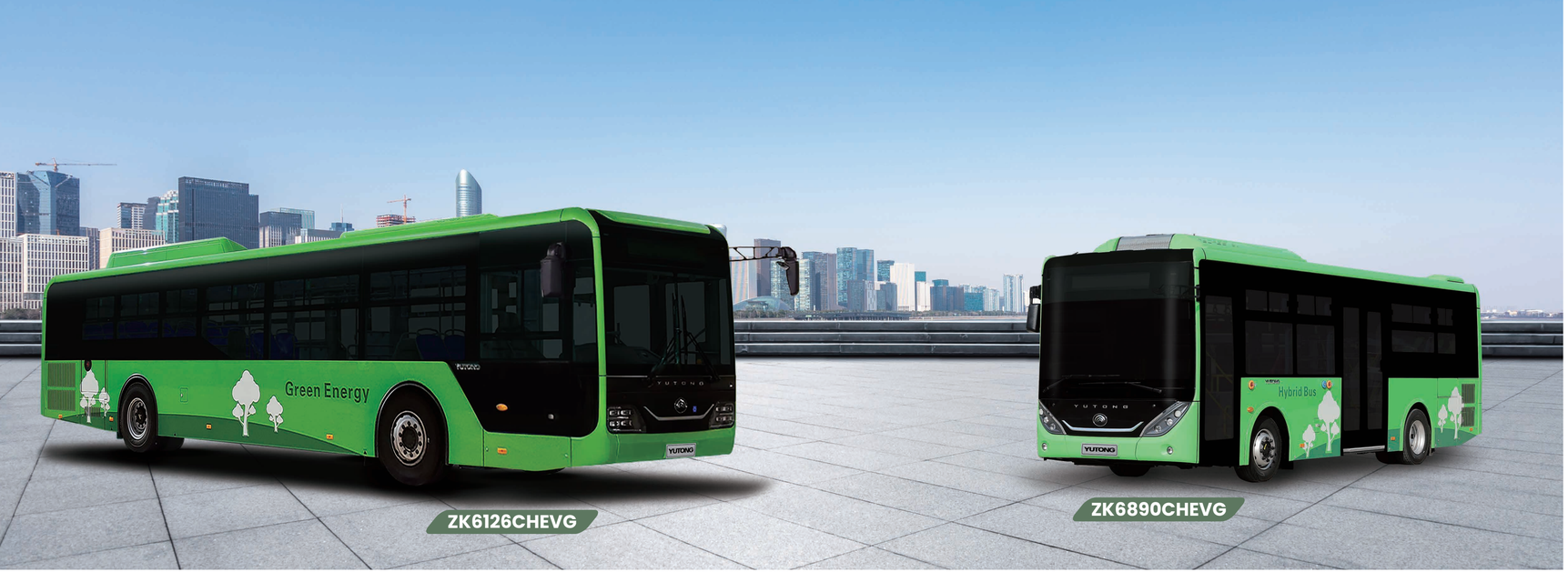
DMT HYBRID



INTELLIGENT CONNECTION

Safety and security

Accurate positioning facilitates real-time monitoring of vehicle trajectory.
Backstage monitors the operation status of vehicle key parts in real time, and warns risks in advance.

Efficient operation

The cloud platform analyzes vehicle charging data and outputs the optimal charging scheme to reduce operating costs.
Big data generates power-saving guidance and suggestions for driving habits to reduce operational energy consumption.
The line operation status can be retrieved from backstage and shifts can be intelligently arranged, improving work efficiency by more than 40%

Convenient management

Services like one-button reservation, rescue, parts inquiry and logistics tracking make management easier.
Driver behavior analysis reports can be automatically retrieved from backstage, and improvement plans are provided for more efficient management.

HYBRID TECHNOLOGY

Super capacitor

The physical energy storage form can meet the requirements of high-power charging and discharging in a short time, with strong temperature adaptability (-40°C—60°C) and cycle life up to more than 1 million times.

It is an ideal driving energy for hybrid buses with stable performance and higher safety.

Drive motor + ISG motor

Dual-motor provides power for vehicle operation. The output torque is increased by 10%. With light weight and good heat dissipation, it adapts to extreme working conditions.

Higher safety, stronger power and higher vehicle fuel saving rate are realized.

30% less fuel consumption

The DMT hybrid system incorporates three key elements of intelligent powertrain control strategy, automatic braking energy recovery technology and 2nd-generation engine thermal management technology, to reduce the fuel consumption by more than 30% compared with traditional fuel vehicles, thus reducing environmental pollution and enhancing eco-friendliness.

TECHNICAL VALUE ADVANTAGE

High fuel saving ratio

The break-even balance between hybrid power and fuel is achieved by saving fuel costs, and the actual fuel saving rate of bus routes is 30%-50%.
Dual-motor operation: The high-efficiency working area of the engine is adjusted by the motor to reduce energy waste, thus reducing the comprehensive fuel consumption.

Less mechanical failure and higher reliability

The transmission is canceled to reduce mechanical loss.

Smooth power and excellent comfort

No gear shifting process, and higher driving comfort.

Adaption to various road conditions

Dual-motor series/parallel electromechanical coupling system, with flexible and variable driving modes to meet the needs of different roads and working conditions.