



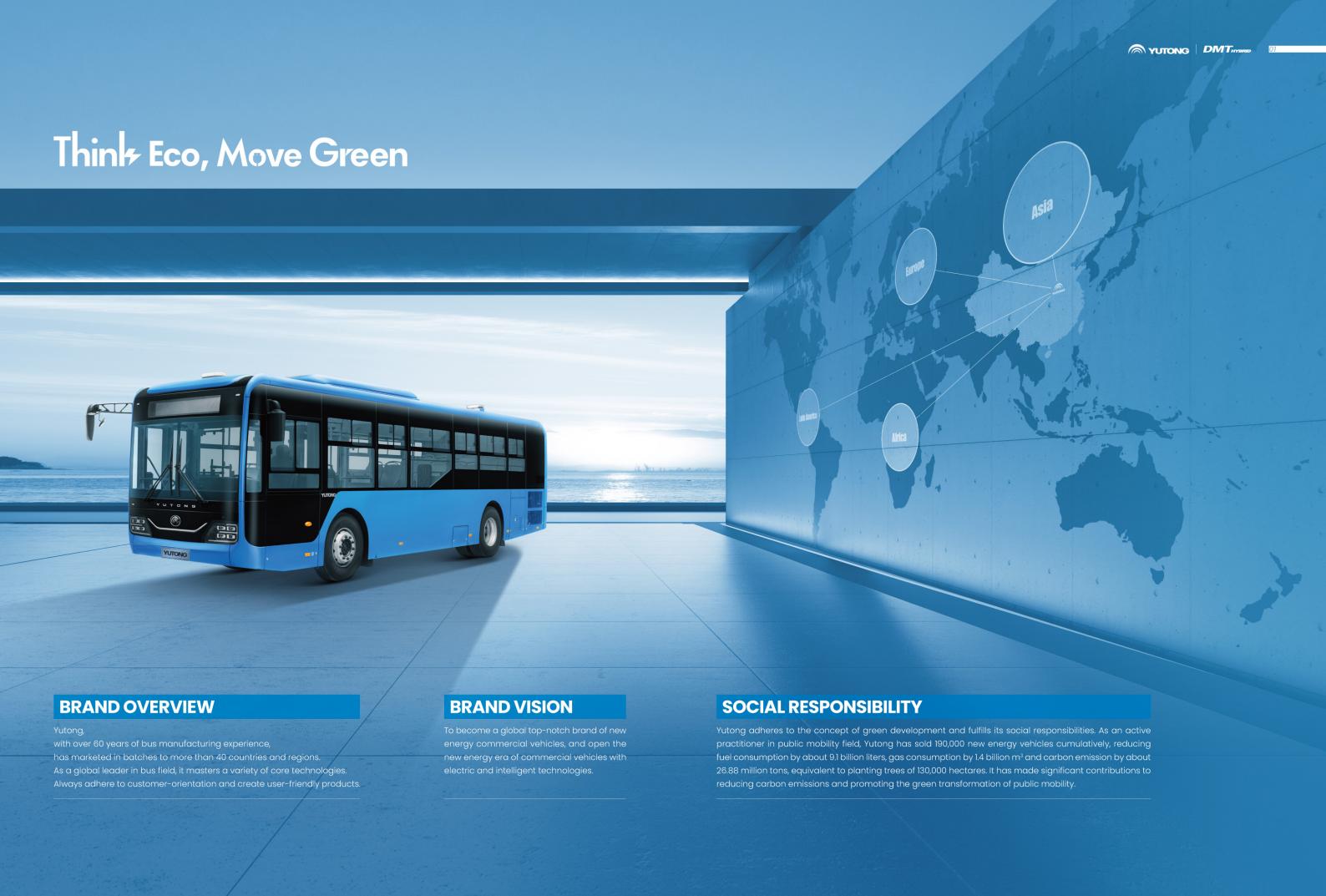
Yutong Bus Co., Ltd.

Yutong Marketing Center, Economic and Technological Development Zone, Zhengzhou, China Tel: +86 371 6671 8999 / Website: www.yutong.com / E-mail: sales@yutong.com

Follow us on Facebook & Twitter & YouTube at yutong Bus & Coach

The images may include items of optional equipment and accessories that are not installed as standard. The product is subject to technical improvement. Yutong reserves the right to change product specifications without prior notice.

All rights reserved. 2024 Edition.



SUPER HYBRID SUPER ENERGY-SAVING





Energy efficiency

Reduce fuel consumption by more than 30%

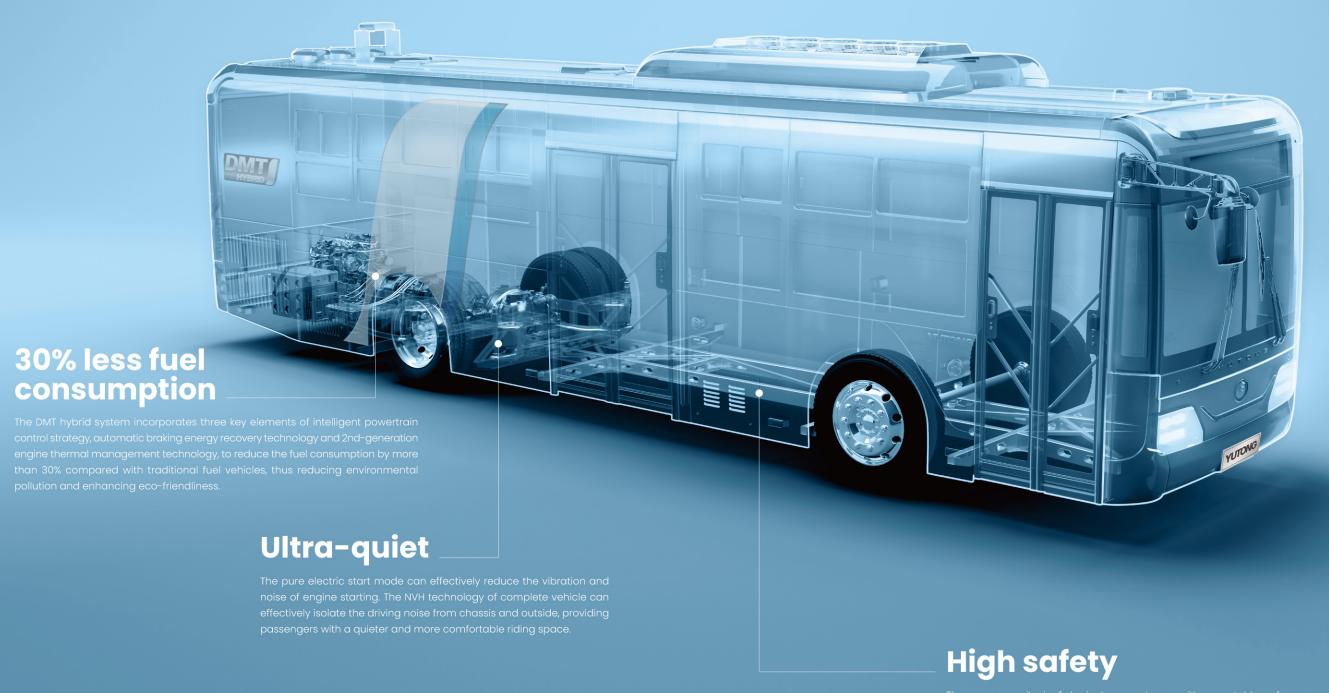
More environmentally friendly, economical and reliable operation

Intelligence

Intelligent control of power system Combined with IoV real-time vehicle monitoring, improving operational management

Safety

Supercapacitor has longer service life and lower failure rate Less prone to deflagration and higher safety



HYBRID TECHNOLOGY

The gearbox of DMT hybrid power system is canceled, and a new generation of high-efficiency motor has smaller volume and higher efficiency. The dual-motor series/parallel drive mode













Starting

Pure electric mode is activated. The motor drives the vehicle and the engine does not work.



Low-speed creeping

The engine drives the generator to generate electricity, and the motor drives the vehicle to run.



Climbing

The engine and the motor work together to drive the vehicle.



High-speed traveling

The engine drives the vehicle alone (with highest engine speed), and the motor does not work.



Downhill/braking

Pure electric mode is activated. The drive motor recovers energy to the traction battery.



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.



Integrated controller

- It integrates many high-efficiency components such as generator controller and steering controller, with lighter weight and higher compatibility.
- According to the actual working conditions, it can intelligently adjust the work strategy to realize the economy of vehicle operation.



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.

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.



Smooth power and excellent comfort



Less mechanical failure and



Adaption to various road

KEY COMPONENTS







PREMIUM SERVICE

Worry-free after-sales service to enhance value

Yutong has been always refining its service modes, improving its service capabilities, and building a professional integrated service platform, so as to provide customers with more convenient and efficient high-quality service experience and meet diversified service needs.



Full-time new energy service team

Real one-stop service: attentive service team, addressing all doubts and providing maintenance solutions across all aspects.





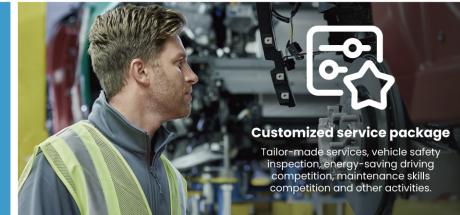
Nearby stationing, quick response

or main operating routes to ensure rapid response.



Simplified structure, convenient maintenance

simpler and maintenance convenience is improved.









PRODUCT PARAMETERS

Product model		Н8	H10	H12
	Item		Configuration description	
Basic parameters	L×W×H (mm)	8940×2420×3140	10500×2550×3220	12170×2550×3220
	Max. speed (km/h)	70 (speed limit)	70	69
	Complete vehicle curb weight (kg)	9100	11200	11700
	Max. number of passen- gers (including driver)	61	80	87
	Wheelbase, front over- hang/rear overhang (mm)	4350, 2000/2590	5100,2350/3050	6000,2740/3430
	Compartment interior height (mm)	2460 (front passage of middle door)/ 1820 (rear passage of middle door)	2470 (front passage of middle door)/1900 (rear passage of middle door)	>2200
	Min. turning diameter (m)	≤16	≤22	≤22
	Front /rear axle (kg)	4700/8700	5800/11200	6500/11500
Engine Information	Emission	Euro III/Euro V	Euro V/Euro VI	Euro III/Euro V/Euro VI
	Displacement (L)	4.156	6.234	6.234
	Model	YCS04 180	YCS06245	YCS06245
	Rated power (kW/rpm)	132/2300	180/2100	180/2100
	Powertrain	Hybrid	Diesel	Hybrid
Chassis	Power system	YCS04 180 engine + 8m DMT power system, 16 series super capacitors	YCS06245 Engine + DMT Power System	YCS06245 Engine + DMT Power System
	Axle	Front disc and rear disc (Molead)	Front disc and rear disc (Molead)	Front disc and rear disc (Molead)
	Brake safety system	EBS	EBS	EBS
	Suspension system	Airbag, independent front suspension	Airbag, independent front suspension	Airbag, independent front suspension
	Fuel tank	120L/160L	150L/170L	125+125L
	Thermal management	Engine thermal management system	Thermal management system	Thermal management system
	Tire	265/70R19.5	295/80R22.5; 275/70R22.5 (optional)	Goodyear 295/80R22.5
A/C	A/C	Cling 24000Kcal/h	Cling A/C (refrigerating capacity 32000Kcal/h, BOCK compressor)	Cling A/C (refrigerating capacity 38000/32000Kcal/h, BOCK compressor)
Seat -	Number of seats + seat model	18 CS001 seats, 1 wheelchair area (2 flip seats)	25/27 CS001 non-padded seats, 1 wheelchair area (2 flip seats)	35 CS001 non-padded seats, 1 wheelchair area (2 flip seats)
	Driver seat	3-point airbag suspended driver seat	3-point airbag suspended driver seat	3-point airbag suspended driver seat