

# SUPER

# 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



## 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.

## Ultra-quiet

The pure electric start mode can effectively reduce the vibration and noise of engine starting. The NVH technology of complete vehicle can effectively isolate the driving noise from chassis and outside, providing passengers with a quieter and more comfortable riding space.

## High safety

The super capacitor is of physical energy storage with more stable performance. It can be charged and discharged repeatedly in a fast manner without adverse effects. Meanwhile, in combination with Yutong's unique robust closed-ring structure design and high-strength frame profile, the transmission effect of impact force is improved to ensure the safety of whole vehicle frame.

# HYBRID

The gearbox of DMT hybrid power system is canceled, and a new generation of high-efficiency and high-power density motors are developed, with dual motors coaxially arranged. The gearbox-free design reduces mechanical faults and has high reliability. The new generation motor has smaller volume and higher efficiency. The dual-motor series/parallel drive mode can realize multiple working modes.



# WORKING



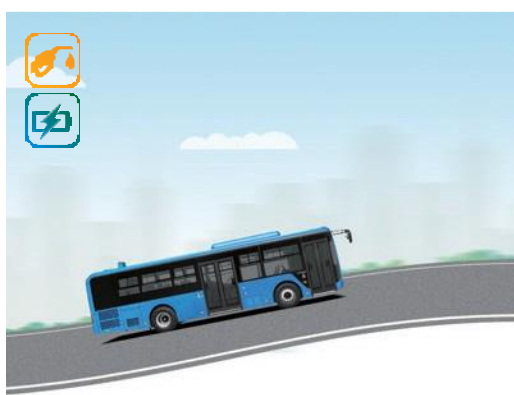
## Starting

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.



# PRODUCT PARAMETER



**Product model** ZK6126CHEVG (H12)

Item		Configuration description
Basic Parameters	L x W x H (mm)	12,170 x 2,550 x 3,450
	Max. speed (km/h)	69
	Complete vehicle curb Weight (kg)	12,250
	Max. number of passengers (including driver)	87
	Compartment interior Height (mm)	>2,200
	Min. turning diameter (m)	≤22
Engine Information	Emission	Euro V
	Displacement (L)	6.234
	Model	YCS06245
	Rated power (kw/rpm)	180/2100
	Powertrain	Hybrid
Chassis	Power system	YCS06245 Engine + DMT Power System
	Axle	Front disc and rear disc
	Brake safety system	EBS
	Suspension System	Airbag, independent front suspension
	Fuel tank	125 + 125L
	Thermal Management	Thermal management system
	Tire	GITI 295 /80R22.5
A/C	A/C	Cling A/C(Refrigerating capacity 38,000Kcal/h, BOCK COMPRESSOR)
Seat	Number of seats	48
	Driver seat	3-point airbag suspended driver seat