



## Hybrid Electric Cargo Truck 4x2 Ev Cargo Truck Automatic Transmission

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Fushunt
- Model Number: Plug-in extended range hybrid light truck 4x2 automatic transmission
- Minimum Order Quantity: 1 vehicle
- Price: \$35,000-\$40,000Dollar
- Packaging Details: Complete vehicle
- Delivery Time: 5-8 work days
- Payment Terms: T/T
- Supply Ability: 1000 vehicle



### Product Specification

- Drivetrain: Front Wheel Drive
- Exterior Features: LED Headlights, Alloy Wheels
- Interior Features: Leather Seats, Touchscreen Display
- Power: Electric
- Transmission: Automatic
- Type: Electric EV Car
- Highlight: Hybrid Electric Cargo Truck, 4x2 Ev Cargo Truck, Hybrid Ev Cargo Truck



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## Product Description

Plug-in extended range hybrid light truck 4×2 automatic transmission

A plug-in hybrid range-extended light-duty truck is a commercial vehicle that combines plug-in hybrid and range-extender electric technologies. It can be powered by both a conventional fuel engine and an electric motor, offering improved fuel efficiency and lower emissions.

The light-duty truck utilizes a fuel engine and an electric motor as its primary power sources. The fuel engine can provide power to the electric motor while also serving as a generator to charge the battery pack. The electric motor assists in providing additional power to propel the vehicle. The battery pack stores electrical energy and supplies it to the electric motor as needed.

The range-extended light-duty truck's fuel engine can use traditional fuels such as gasoline or diesel to provide additional driving range and power. Additionally, it can be charged by plugging into an external power source, allowing the battery pack to store enough energy for electric motor usage. This enables the truck to operate in pure electric mode in congested urban environments or areas that require zero emissions, reducing tailpipe emissions and environmental impact.

A plug-in hybrid range-extended light-duty truck is often equipped with an intelligent energy management system that monitors and optimizes the use and conversion of energy. These systems can automatically switch between different power modes to maximize fuel efficiency and minimize environmental impact. Additionally, the truck can utilize regenerative braking technology to convert braking energy into electricity and store it in the battery pack, further enhancing energy efficiency.

The light-duty truck is typically designed with a focus on cargo capacity and comfort. It can be configured with different-sized cargo beds to accommodate various needs and provide a comfortable driving experience. Advanced vehicle safety features such as antilock braking systems, lane-keeping assistance, collision warning, and adaptive cruise control may also be included.

In conclusion, a plug-in hybrid range-extended light-duty truck is a commercial vehicle that combines plug-in hybrid and range-extender electric technologies. It achieves improved fuel efficiency and lower emissions by utilizing a combination of a fuel engine and an electric motor. The truck can operate in zero-emission electric mode in urban areas, offering flexible energy management and a comfortable driving experience. It represents a sustainable and environmentally friendly transportation solution.

XCMG Hanchi Gemini adopts the same starry sky grille design as Mercedes-Benz. The rectangular air intake grille is embellished with red powerone, and starry sky-shaped ornaments are parametrically arranged in it, resembling a flowing galaxy, which not only has a strong sense of technology, the visual effects are also extremely outstanding.

The first-ever suspended shock-absorbing cab support fully attenuates vibration energy, effectively improves the driving stability of the driver's driving environment, and greatly improves comfort. In addition, the new car is also equipped with intelligent searchlights. When entering a tunnel or when the light dims at night, it will automatically turn on the position lights and low beam lights according to the light intensity, and automatically delay and turn off all lights to prevent the vehicle from losing power. The rearview mirror is equipped with a welcome light, an XCMG shape surrounded by stars, a C-shaped daytime running light design, and dynamic water steering, which combines a sense of technology, beauty and practicality.

Hanchi Twin Star uses both Dewei D25 power and PS power split hybrid system. The two power systems achieve double the power output. The intelligent computer controls the power output ratio of the engine and the two motors to achieve the optimal combination and achieve fuel efficiency. Plug-in hybrid system for maximum economy. During driving, the power output by the engine is divided through the planetary array. Part of it directly drives the wheels, and part of the excess energy charges the battery pack through the motor. On the contrary, when the driving conditions require high torque or power, the battery pack output current passes through the motor and The engine works together to keep the engine running in the economical fuel consumption range.

In the drive motor part, Hanchi Twin Star uses the mutual cooperation between the engine and the motor to keep the engine in a high-efficiency operating range, naturally achieving lower fuel consumption. In actual tests, the average fuel consumption of XCMG Hanchi Twin's 4.5t model was 8.1 liters per 100 kilometers, saving 2.9 liters per 100 kilometers compared with the 11 liters of a traditional fuel-powered light truck; the average fuel consumption of the 7.5-ton model was 11.2 liters per 100 kilometers, which was 11.2 liters per 100 kilometers. The 15-liter fuel-burning light truck saves 3.8 liters per 100 kilometers, which is an obvious advantage.

The drive motor integrated inside the gearbox has been upgraded to a flat wire motor design. Compared with the previous round wire motors, the biggest advantage of the flat wire motor is the wiring method, wire shape and size, which can maximize the slot full rate. Generally speaking, the slot full rate of round wire motors is about 40%, while the slot full rate of flat wire motors can be as high as 70% or more. At the same time, the copper filled in the flat wire motor can be increased by 20-30%, producing a stronger magnetic field strength, which is equivalent to an increase of nearly 20-30% in power to some extent. Therefore, with the support of this technology, whether used as a drive motor or a generator, the improvement in efficiency of the two motors is self-evident.

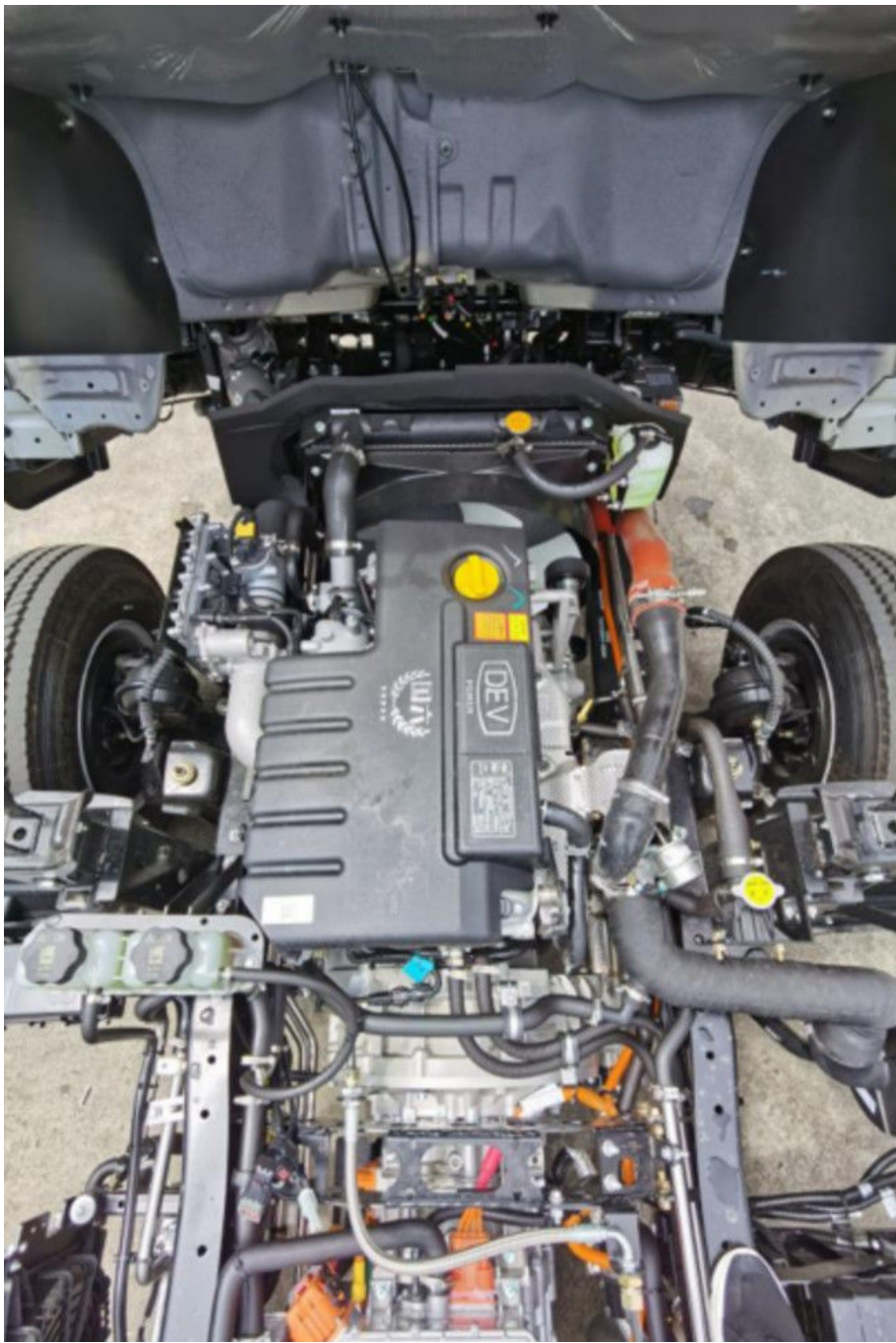
Due to the high torque characteristics of the motor, if the motor is used for driving during the starting acceleration stage, it can not only improve energy utilization, but also bring more powerful power performance.

Under various working conditions, Gemini has better performance in terms of vehicle power, economy and drivability. The motor has large starting torque and fast speed, so the transportation efficiency is higher; the advantage of the hybrid's natural automatic transmission can completely free the left and right hands, eliminating the trouble of shifting gears, making the driving process easier, thereby improving transportation efficiency and safety.

The Hanchi Twin Star super hybrid light truck launched by XCMG can not only meet the green card road transportation standards, but also provide truck users with worry-free battery life. In most cities across the country, it not only has no traffic restrictions, but also can effectively reduce traffic jams. Friends' actual car cost can be said to be killing two birds with one stone.











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