

# EN ROUTE

| YUTONG NEWSLETTER

| ZHENGZHOU YUTONG BUS CO., LTD

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**Yutong serves Boao Forum for Asia**

**Yutong shoulders responsibility in the new era**

**50 Yutong school buses delivered to Yuncheng city**



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# EN ROUTE

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## E10 FULL ELECTRIC BUS

NEW CHOICE OF URBAN TRANSPORT



Featuring stylish and attractive appearance, Yutong E10 full electric bus itself is a beautiful scenery in the city regardless in static or moving status.



MEET THE NEEDS OF WHOLE-DAY OPERATION



# E10



- 176Ah batteries — high energy density; 324kWh (12 packs) — large electric capacity
- Lightweight design, high-performance drive motor and high-efficiency control strategy — low power consumption
- "Vehicle+" charging management system: real-time monitoring of vehicle location and state of charge, and rational planning of charging schemes to provide great support for charging management.

Excellent power performance adapted to urban road conditions





# E10

CREATE PERFECT RIDE EXPERIENCE



## OFFER YOU AN EASED DRIVING EXPERIENCE

- Enclosed cockpit design prevents the driver from disturbance, thus ensuring the driving safety.
- With stepless speed change, the clutch engagement operations can be decreased by over 2,000 times per day, and the noise is 3dB lower than that of conventional counterparts.
- ACTIA dashboard with full LCD instruments not only creates a catching appearance, but also provides an easy access for drivers.



## E10 FULL ELECTRIC BUS

### Dimension & Weight

Length(mm)	10855
Width(mm)	2550
Height(mm)	3280
Curb weight(kg)	12500

### Powertrain

Drive motor	YTM280-CV9-H
Rated power (kw/rpm)	215
Rated torque (Nm/rpm)	1200
Driving mileage	320km, A/C off 250km, A/C on

\*The power consumption is greatly affected by factors such as ambient temperature, drivers' driving habits and vehicle specification, pls take the actual conditions of operation into account while analyzing results.

### Axle, suspension and steering

Wheelbase(mm)	5500
Turning diameter(m)	≤18
Front axle	ZF RL82EC, independent suspension, disc brake
Rear axle	ZF AV133, disc brake
Steering system	Integral power steering (electric hydraulic power steering), VDV dashboard with steering column and steering wheel
Suspension system	Air suspension, F2R4 SACHS hydraulic shock absorber, ECAS with lifting and kneeling system
Tire	Alu wheel hub, Michelin 275/70R22.5
Battery	324kwh lithium-ion battery, 12 packs

### Charging time (power of charger)

Charging time (power of charger)	5~5.5h(60kw) 2.5~3(120kw) 2~2.5(150kw)
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### Whole vehicle controller

Self-made by Yutong

### Drive motor system

Yutong electric propulsion system, permanent magnet synchronous motor and five-in-one controller

### Braking system

Dual circuit air brake system, front & rear disc brakes, energy storage spring parking brake, air drier, condenser, all- alu gas tank, EBS

### Air conditioner (A/C)

Roof-mounted integrated electric A/C (electric heating & cooling function), heating & cooling A/C for cockpit

Max. passenger volume	78	74	78	75
Sitting	47	43	49	45
Standing	31	31	29	29
Wheelchair area	0	1	0	1





# Yutong telematics

## CONTROL YOUR VEHICLES IN FAR DISTANCE

Yutong has developed the telematics system (Vehicle+), which has remote monitoring function and can monitor the status of vehicle operation in real time, allowing you to acquire a variety of vehicle data without leaving office and providing strong support for the management of your fleet.

### OTA(Over-the-air)

Update the software of the vehicle over-the-air to reduce the waiting time, and add new functions to the vehicle,such as FCW,LDW,ect.(Featuring strong scalability, Yutong telematics is compatible with most of hardware.)

### Remote diagnosis

With intelligent analysis of vehicles' real-time operating data as well as comprehensive analysis of big data trends, it can not only detect vehicles' fault information remotely, but also evaluate the life stages of critical parts and expected failure time in order to promptly inform service people to prepare accordingly.

### Management of driving behaviors

Based on the automatic identification of key driver operations, the telematics system can monitor the driver's driving behaviors, accurately identify the bad driving behavior and alert them so that to regulate the driver's driving behavior. You can set illegal operations at your wish, and illegal operations can be detected under the actual data.

### Remote monitoring

The real-time monitor of vehicle operation data allows you to acquire various data of vehicles such as real-time location, operating status, driver's driving behavior, batteries, drive motor, electronic control units and so on without leaving office. Through a cell phone or a PC, you can have the access to such information.

### Charging management

- Through the analysis of the real-time location and SOC of each vehicle in the fleet and comprehensive consideration of the operational needs of the fleet, the charging scheme can be planned rationally, thus improving the charging efficiency.
- During the charging process, remote control and adjustment of chargers can be achieved.
- Collect charging data in real time and generate statistical reports to provide support for charging management.
- Achieve charging with valley electricity via the charging scheduling system to reduce energy costs greatly.
- Make reservation, and set the turn-on time and temperature of on-board air conditioner via an APP on cell phone.





BOAO FORUM FOR  
ASIA



WITNESS THE GREAT MOMENT

YUTONG SERVED THE BOAO FORUM FOR ASIA 2018

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## Zhengzhou Yutong Bus Co., Ltd releases its output and sales data of Mar. 2018.

ZhengzhouYutongBusCo.,LtdreleasesitsoutputandsalesdataofMar.2018.			
	Mar. 2018(unit)	Jan-Mar.2018 (unit)	Y-o-y growth of Jan.- Mar.
Output	3,147	10,411	11.44%
Large Bus	1,122	4,450	16.77%
Medium Bus	1,443	4,160	1.69%
Light Bus	582	1,801	25.07%
Sales	3,432	9,956	3.16%
Large Bus	1,031	4,127	7.92%
Medium Bus	1,627	4,049	-6.79%
Light Bus	774	1,780	20.03%
Note: This table shows the express data, the final report is subject to the company's regular report.			

From the above table we can see 3,432 buses and coaches were delivered in March. From January to March, the accumulated sales volume reached 9,956 units, up 3.16 percent than the previous year.



## T12 HIGH-END COACH STANDING OUT WITH APPEARANCE AND PERFORMANCES

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## Yutong serves Boao Forum for Asia

Themed with “An Open and Innovative Asia for a World of Greater Prosperity”, the Boao Forum for Asia was officially opened on April 8, 2018. On the morning of April 10, President Xi Jinping attended the opening ceremony of the Boao Forum for Asia and delivered a keynote speech. Xi's speech reflected the generosity of great power, the determination to opening up, and confidence in the proprietary brands owned by the manufacturing industry.

During the forum, 16 units of high-end business purpose vehicles with Chinese brand, namely Yutong T7, were available, bearing the responsibility of providing transportation services for politicians from home and abroad, and showcasing the high level of Chinese manufacturing. This is also the third consecutive year that the Yutong T7 has been designated as the carrier for the Boao Forum for Asia.

T7 is a classic model that has been meticulously developed



over the past ten years. It has gone through the tough tests of bitter coldness, high temperature and high land, and passed the rollover test in accordance with national standards. Its presence completely broke the monopoly long held by joint venture brands in terms of the high-end business purpose vehicle market in China .



Since its launch in 2015, Yutong T7 already made its appearance at a number of big events, including China's V-day parade, Prime Ministers' Meeting of SCO Member States, China's annual Two Sessions, Boao Forum for Asia, G20 Hangzhou Summit, Belt & Road Forum and Summer Davos 2017 and so on, becoming an indispensable transportation tool of the major domestic and international conferences and events.

The emergence of high-end products with proprietary brands like Yutong T7 epitomizes China's increasingly rising manufacturing industry, and is also an inevitable phenomenon brought about by the rapid development of the country's 40 years of reform and opening up. Chinese companies, including Yutong, are speeding up their efforts to inject positive energy into the country's development.

The speed and convenience of transportation are improving people's lives beyond their expectations. The bus products will gradually shift from "sole transport tool" to "comfortable and intelligent carrier". However, this process



requires the power of role model and pulling force. Carrying the mission of leading China's bus industry to realize the dream of building a strong country, Yutong continuously uses the internal and external strengths to enhance the Chinese manufacturing. It has not only improved the market position of China's high-end business vehicles with proprietary brands, but also obtained praises again and again for "Made in China" with excellent performance.



## Yutong shoulders responsibility in the new era

The two sessions of NPC and CPPCC concluded in Beijing, capital city of China on March 20, 2018. The blueprint has been worked out, and China's bus industry will gather positive energy and create new glories. As one of the outstanding representatives of China's self-owned auto brands, Yutong remains true to its original aspiration and bravely shoulders the mission of "seeking good strategies" and "proposing pragmatic ideas" for the leap-forward development of the industry.

With broad and long-term view and strong sense of responsibility, Yutong continues to intensively develop the market segments like school buses, new energy buses and high-end business purpose vehicles and so on, showcasing its style as a leading company in the industry with practical actions.

Tang Yuxiang, president of Yutong Group, also deputy to the National People's Congress this year, focused his attention on "school bus promotion" for the third time, and proposed new ideas and new solutions based on the new changes, problems and challenges in the market, which aroused strong resonance and praises from many sides.

As a leading company in the industry, Yutong has always linked social livelihoods with corporate development, and integrated the industrial progress with corporate pursuits to continuously inject new



With deep brand connotation and superior quality, 33 units of Yutong T7 stood out during the two sessions this year and became the main force of proprietary high-end business vehicles. They lived up to expectations, defined "Chinese quality" with high-standard service, and provided comfortable reception services for NPC deputies and CPPCC members, refreshing people's cognition of buses with proprietary brands once again.



momentum into China's bus industry.

It is worth mentioning that 143 units of Yutong buses had successfully served the two sessions. It is also the fourteenth time for Yutong to provide transportation service for the event. Especially Yutong T7 high-end business vehicles fully demonstrated the new style of Chinese manufacturing under the new era and set a good example for the "quality revolution" of the China's bus industry.



Facing the spring breeze, China is now striding toward a new journey. Under the leadership of Tang Yuxiang, Yutong will continue to forge ahead valiantly. With a high sense of social responsibility and corporate mission, Yutong will inspire national pride and self-confidence with practical actions continuously and make more contributions in the future.





## 50 Yutong school buses delivered to Yuncheng city

Recently, 50 units of Yutong school buses were delivered to Yanhu district, Yuncheng city, Shanxi province. These school buses were purchased through the public bidding, which included six bus models ranging from 5.7 meters to 11 meters. They have been formally put into service in March as the new school term started.

All of the 50 school buses bought this time are being used in over 50 primary schools located in the rural area of Yanhu district to carry more than 3,000 students to and from schools and address their transportation problem.

“Since the school buses are mainly running in the countryside area that features many mountain roads. Therefore, we attached great importance to the safety, durability and failure rate of vehicles during our selection, and required that the vehicles should be able to tackle the complicated mountain roads,” said Mr. Guan, General Manager of Yunzelin School

Bus Company. He told reporters that they had conducted full investigation and comparison before the procurement. Finally, they chose Yutong brand stood out from the counterparts.

According to Guan’s introduction, Yutong school buses boast good safety, low failure rate and high durability, and are recommended by many school bus operators. In addition, the Yutong school buses are attractive in appearance that is favored by parents and children. Ergonomic interiors with environmentally friendly materials, as well as the design of seats and handrails fully take the needs of children into account and offer them good ride comfort.

It is worth mentioning that Yutong's 3rd-generation school bus was just launched when Yunzelin School Bus Company planned to purchase school buses. After learning about the improvement of the 3rd-generation school buses on safety and intelligence aspects, they decided to take Yutong 3rd-



generation school buses for all the procurement.

It is reported the third-generation Yutong school bus has triggered widespread concern in the school bus industry after being launched. Inheriting the safety gene of the 1st and 2nd generations, the third-generation school bus features protective measures inside and outside the vehicle as well as remote surveillance. Meanwhile, by means of four systems, namely passenger safety protection system, structural safety protection system, visual field assistance enhancement system and intelligent information management system, the safety, ride comfort and intelligence level of school buses have been raised to a new height.

According to statistics, the market share of Yutong school buses in Shanxi province has surpassed 50% for quite a few years and won recognition and praise of many customers.





# “Yes, I do.”

The 13th Yutong Mass Wedding Ceremony was held in Yutong Industrial Park, Zhengzhou on April 12, 2018. Totally 16 couples walked down the aisle on the grand ceremony. Unlike previous years, this year's mass wedding was carried out in a workshop. The production venue was transformed into a cozy hall for these new couples.

It is learned this event has been held for 13 times and totally 335 youth people tied the knots through the mass wedding ceremony.





