

# ELECTRIC HEAVY TRUCK



**NEW ENERGY**  
SAVE WORLD

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**NEW ENERGY ASIA CO., LTD.**

“We’re Changing the Way  
the World Thinks About  
Machinery”

### **New Energy Asia Pacific Co., Ltd**

as part of the effort to make construction more sustainable, we are rolling out all-electric versions of traditional construction vehicles. Electric construction equipment isn’t a new concept. Hybrid electric machines have been available for years, and all-electric models of excavators, loaders, dump truck and other heavy machinery are currently available over the world. In coming years, electric heavy machinery will join the ranks of electric cars and public transportation as an eco-friendly alternative, it will be the push for sustainable construction practices intensifie.



# FOTON ELECTRIC TRUCK

**FOTON Electric Heavy Truck** is a **Zero Emission, Zero Pollution**, transportation heavy truck that responds to the national requirements for energy conservation, emission reduction, and environmental protection.

Adopts a mature and reliable dual-motor drive system, uses a safe and efficient CATL batteries with a large amount of electricity, and is supplemented by precise real-time control strategies and application of battery swapping technology, which greatly improves the endurance of the heavy truck.

In terms of power and endurance of electric products, the application boundary is further expanded, and it can be widely used not only in heavy-load downhill conditions, but also in heavy-load uphill conditions.



# KEY FEATURES

## POWERFUL BATTERY



- ◆ Adopts safety, mature technology, high density CATL battery, with large rated power, long battery life.
- ◆ Centralized cooling system to ensure battery power performance and prolong battery life
- ◆ 4mm high strength steel box frame, which is better for battery protection
- ◆ Centralized arrangement of batteries, short path of high-voltage wiring harness, better insulation performance of the system

## MATURE & RELIABLE



- ◆ Adopt mature chassis technology, equipped with advanced three-electric system, stable quality and reliable performance
- ◆ AMT gearbox , which combines automatic gear shifting and manual gear shifting with high transmission efficiency.
- ◆ Strong power, equipped with a drive motor with a maximum power of 360 kW and a torque of up to 2400 Nm, cruising range between 160-220 kilometers

## POWERFUL BATTERY

- ◆ DC Charging mode and Battery Replace mode are available
- ◆ Double-gun fast charge < 40min (20%-80%SOC)
- ◆ Efficient 5 minutes battery replace mode - Top or Side replace method also available
- ◆ Battery Replace mode is safer and more reliable, which can reduce the situation of power failure due to forgetting to charge or road congestion



## ENERGY SAVING

- ◆ The braking energy can be recovered — when the trucks is going downhill the energy is sotoring in the power battery ,and the braking energy is releasing when it going uphill. At the same time, the abrase of the brake system is reduced.
- ◆ Effectively increase the braking energy recovery rate by 3-5%, extend the driving range by 5-10km, and reduce the cost of use;
- ◆ Directly driven by a motor reducer, the transmission system is simple, and the transmission efficiency is increased from 85% to 96%.



# ELECTRIC MIXER

FOTON Electric Mixer BJ5319GJBEV1A, the chassis adopts GTL-E platform, the battery-swap type (with charging interface) mixer truck, the chassis drive is equipped with FTTB220 motor and automatic transmission, suitable for urban working conditions, to meet compliance in urban construction and efficient requirements.

- Strong loading capacity, can meet the requirements of 10 parties of regulations;
- The power consumption per 100 kilometers is lower than that of industry products;
- Product failure rate is low;
- The residual value of products is the highest in the industry;
- The tank body technology is advanced, and the residual rate is lower.



# ELECTRIC MIXER

## SPECIFICATION

Model	BJ5319GJBEV1A
Drive	8 x 4
GCW/GVW (kg)	31000
Curb weight (kg)	15500
Dimensions (mm)	10300×2530×3900
Tire	11.00R20

## DRUM

Volume (m <sup>3</sup> )	8
Motor System	3 Phase PMSM (IP67)
Rated/Peak Power (kW)	60 / 120
Rated/Peak Torque (N.m)	300 / 600
Max. Output Torque (N.m)	68000
Max. Output Speed (rpm)	17
Angle (°)	14.5
Displacement (ml/rpm)	90

## CHASSIS

Front/Rear Wheelbase (mm)	2100+2750+1350
Front/Rear Axle Load (kg)	6500/6500/18000 (Two Axles)
Max. Speed Empty/Load (km/h)	85 / 50
Drive System	TS-0425 AMT system (IP67)
Motor System	3 Phase PMSM (IP67)
Rated/Peak Power (kW)	220/360
Rated/Peak Torque (N.m)	1500/2100
Rated/Peak Speed (rpm)	1400/3400
Full load maximum gradeability (%)	30

Note: Due to technological improvements, the above data are subject to change without prior notice.

## BATTERY

Model	CATL FTTB220 (IP68)
Capacity of the battery (kwh)	282
Voltage (V)	618.24V
Charging mode	Direct charge /Battery Swap
Charging time (SOC20%-80%)	< 40mins (depends on charger)
Battery Swap time	5 minutes



Note: Due to technological improvements, the above data are subject to change without prior notice.

# ELECTRIC TRUCK

FOTON 30 Ton Electric Truck chassis adopts GTL-E platform, the battery-swap type (with charging interface) truck, the chassis drive is equipped with FTTB220 motor and automatic transmission which is a reliable truck that meets the requirements of construction enterprises and coal mining areas for green environmental protection and intelligent driving.



# ELECTRIC TRUCK

## SPECIFICATION

Model	BJ3319EVPA1
Drive	8 x 4
GCW/GVW (kg)	30000
Curb weight (kg)	18300
Dimensions (mm)	9270,9470,9670×2550×3550
Tire	12.00R20

## CHASSIS

Front/Rear Wheelbase (mm)	2100+2750+1400
Max. Speed Empty/Load (km/h)	89 / 20
Drive System	TS-0624 AMT system (IP67)
Motor System	3 Phase PMSM (IP67)
Rated/Peak Power (kW)	220/360
Rated/Peak Torque (N.m)	1500/2100
Rated/Peak Speed (rpm)	1400/3400
Full load maximum gradeability (%)	35

## BATTERY

Model	CATL FTTB220 (IP68)
Capacity of the battery (kwh)	282
Voltage (V)	618.24V
Charging mode	Direct charge /Battery Swap
Charging time (SOC20%-80%)	< 40mins (depends on charger)
Battery Swap time	5 minutes

Note: Due to technological improvements, the above data are subject to change without prior notice.

