

BYD Design

Technology is central to BYD's DNA, and the company's strong R&D ability is vital to its rapid development. Following its "technology-based, innovation oriented" development philosophy, BYD believes that technology has the power to change people's lives and make better the world we live in. BYD has successfully built a world-class platform for technological innovation on which world leading, BYD-inspired advanced technologies are continuously proven before introduction across many fields.

BYD Commercial Vehicle

BYD's dedicated Truck Research Institute is mainly engaged in the R&D and design of the whole vehicle and chassis for pure electric trucks and special vehicles designed for use in logistics, construction, sanitation and port operations.



19T Pure Electric Rigid Truck — ETH8

Technical Data

Overall Dimension (L/W/H)	mm	8,160/2,530/3,280	10,500/2,530/3,280
Curb Weight	kg	7,800	8,100
G.V.W.	kg	19,000	19,000
Payload	kg	11,200	10,900
Wheelbase	mm	4,500	5,700
Front/Rear Overhang	mm	1,600/2,060	1,600/3,200
Max. Speed	km/h	90	90
Max. Gradeability	%	30	30
Range*	km	200 (Full load)	200 (Full load)
Driving Mode		4×2	4×2
Tyres		295/80 R22.5	295/80 R22.5
Max Motor Power	kW	180	180
Max. Torque	N·m	450	450
Battery Type		LiFePO4	LiFePO4
Battery Capacity	kWh	255	255
Charging Power**	kW	DC 120	DC 120
Charging Time	h	DC 2 (SOC 20%~100%)	DC 2 (SOC 20%~100%)

*Actual range will vary depending upon driving/charging habits, speed, conditions, weather, temperature and battery lifecycle etc.

**The battery capacity is initial capacity. It will decrease with the time and use.

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BYD reserves the right to make modifications to vehicle information without prior notice. 1121-BPS-V2



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ETH8
BYD eTruck. Carrying a better future

1. BYD Iconic X Frontface

BYD's innovative X Face design and Diving waistline style not only convey the dynamic aesthetic of the technology but also have practical benefits by optimizing efficiency and range as well.

2. Angel Eyes LED Headlights

These facilitate greater driver visibility with low energy consumption.

3. Integrated Powertrain

BYD's drive motor, transmission and drive axle are fully integrated with each other to deliver an outstanding transmission efficiency of more than 90% and in turn lower energy consumption.

4. Reversing Radar

The 360° omni-directional vision provides the driver with excellent situational awareness.

5. Charging Port

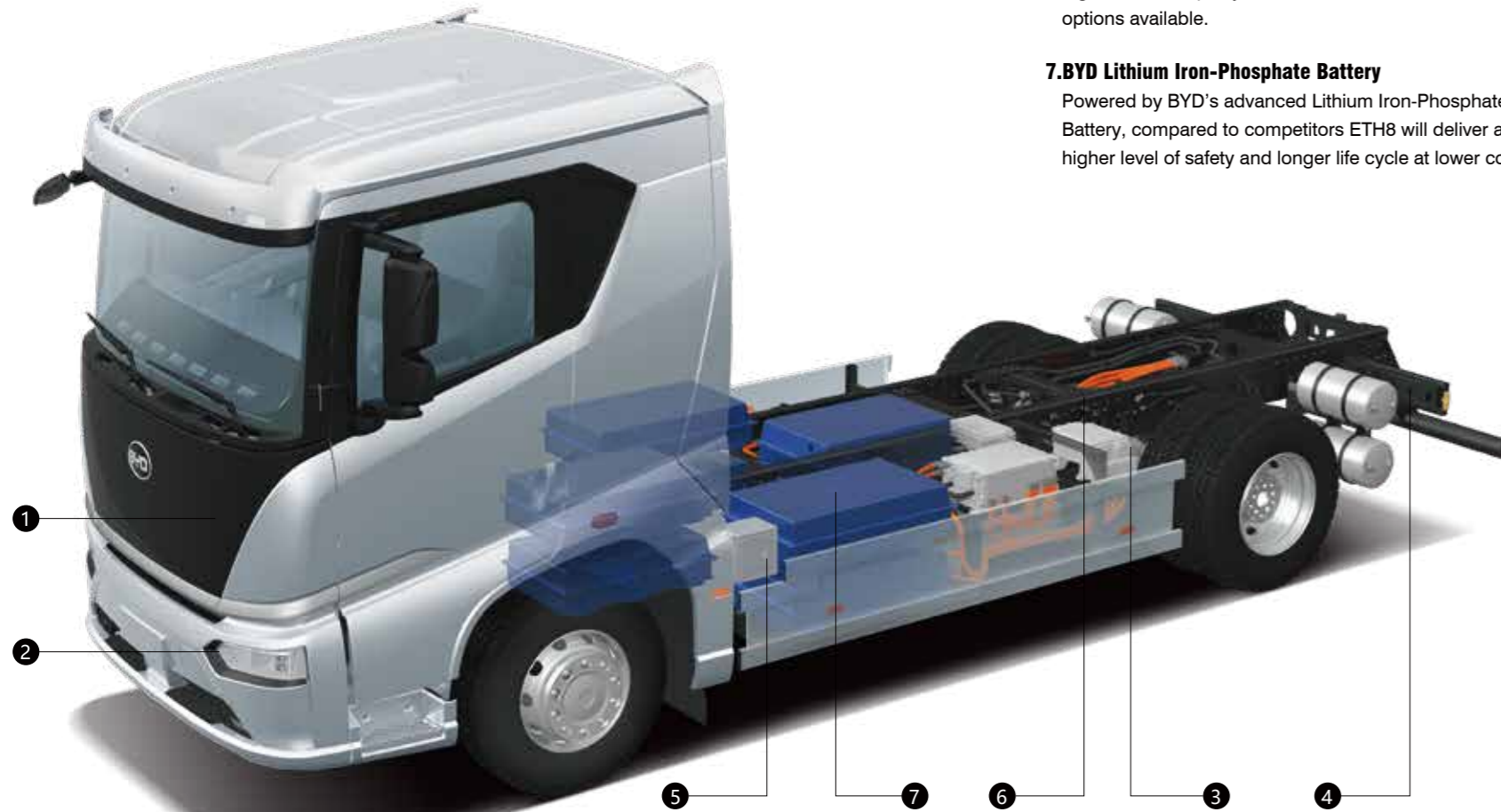
Various charging solutions can be deployed for maximum convenience. DC fast charging is possible up to 120kw.

6. Multipurpose Chassis

Featured with platform-designed chassis layout, ETH8 can be developed for diverse usage like construction, logistics, municipality and sanitation with two wheelbase options available.

7. BYD Lithium Iron-Phosphate Battery

Powered by BYD's advanced Lithium Iron-Phosphate Battery, compared to competitors ETH8 will deliver a higher level of safety and longer life cycle at lower cost.

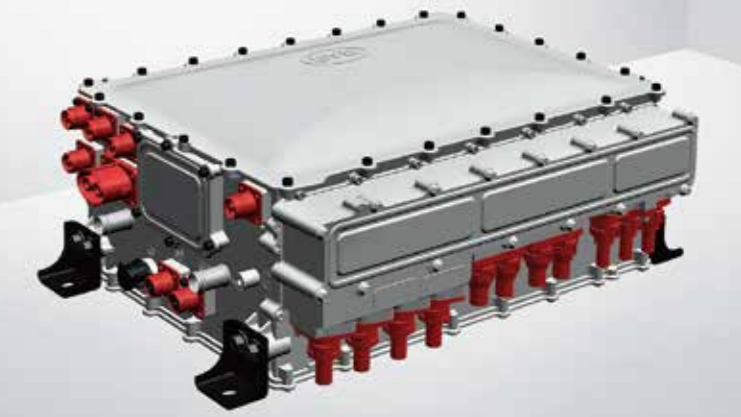


- 1. Multifunction Steering Wheel
- 2. 8-inch TFT Dash Board
- 3. Push to Start
- 4. 10.1-inch Hover LED Display Screen
- 5. EHPS (Electro Hydraulic Power Steering)
- 6. Economy/Power Driving Mode Option
- 7. Ergonomic Driving Seats
- 8. Storages
- 9. Berth

5 in 1 Highly Integrated Controller

Thanks to its cutting-edge integration technology, BYD developed the revolutionary 5 in 1 motor controller which consists of MCU (Motor Control Unit), PDU (Power Distribution Unit), DC-DC converter, steering controller and ACU (Air Compressor Unit). These five components are integrated into one single compact module and enhanced the efficiency, reliability and ease of maintenance.

- Optimized performance
- High efficiency
- Cost savings
- Easy maintenance
- Compact structure
- Light weight



BYD Iron-Phosphate Battery

Eco-friendly

Contains no heavy metals or toxic electrolytes and can be easily recycled.

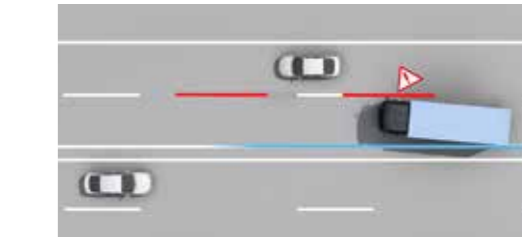
Long Service Life

7 security dimensions, 5 safety evaluation verifications, 4 battery security system levels.

High Stability and Performance

Proven by numerous in-depth tests during the R&D phase.

Advanced Driver Assistance Systems (ADAS)



LDW (Lane Departure Warning System)



FCW (Forward Collision Warning)



ACC (Adaptive Cruise Control)



AEBS (Advanced Emergency Braking System)