## 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.


# Pure Electric Panel Van —— ETP3

### Technical Data

| | | |
|---|---|---|
| Overall Dimension (L/W/H) | mm | 4,460/1,720/1,875 |
| Kerb Weight | kg | 1,640 |
| G.V.W | kg | 2,420 |
| Payload | kg | 780 |
| Wheelbase | mm | 2,725 |
| Max. Speed | km/h | 100 |
| Max. Gradeability | % | 20 |
| Range* (WLTP) | km | 275 (City)/233 (Combined) |
| Suspension | | McPherson Strut (Front), Leaf Spring (Rear) |
| Brakes | | Hydraulic Disc Brakes, ABS, Regenerative Braking |
| Tyres | | 195/60 R16C |
| Motor Type | | AC Permanent Magnet Synchronous Motor |
| Rated Motor Power | kW | 35 |
| Max. Motor Power | kW | 100 |
| Max. Torque | N·m | 180 |
| Battery Type | | LiFePO4 |
| Battery Capacity** | kWh | 44.9 |
| Charging Power | kW | DC 50/AC 6.6 |
| Charging Time | h | DC 0.5/AC 5.5 (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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## Fast Charging Technology

It takes only 0.5h
to charge BYD ETP3 from SOC 20% to100%.

## Automatic Headlight

Light sensor located at the rearview mirror will detect the light intensity and automatically turn on/off the clearance lamp or the low beam light.

## BYD Blade Battery

The BYD latest game changing ultra-safe Blade Battery features high starting temperature for exothermic reactions, slow heat release, low heat generation and increased space utilisation of the battery pack by over 50% compared to conventional lithium iron phosphate block batteries.

ETP3

## BYD e-platform

Through “33111” high integrated system design, BYD e-platform is able to reduce the weight of the vehicles, manufacture and maintenance cost and optimized the layout of the parts to increase the reliability, safety and energy efficiency.

With this platform BYD ETP3 is built to passenger cars’ standard that provides great safety and a better driving experience

## Cargo Space

Maximum 3.5m³ storage space for your logistics needs.

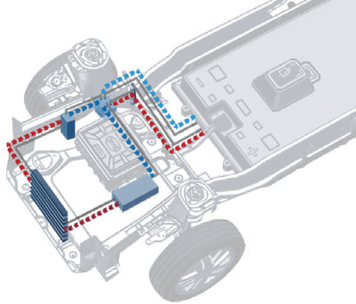
## Aluminium Floor

Anti-slip and wear-resistant aluminium alloy floor with draw buckles to secure the cargo.

1. Multifunction Steering Wheel
2. TFT Dash Board
3. Push to Start
4. Radio
5. EPB (Electric Parking Break)
6. C-EPS (Electric Power Steering)
7. Ergonomic Driving Seats
8. Storages

## Battery Thermal Management System (BTMS)

BTMS is a liquid thermal management system that guarantees the battery temperature stays at the optimum operational temperature. This increases the safety and reliability of the battery system and enables the vehicle to operate in extreme weather conditions.



## Regenerative Braking System

When under braking or lifting the accelerator (battery power lower than 90%), the kinetic energy is converted into electricity to recharge the battery. It can effectively reduce brake pad abrasion, improve driving range and save energy.