



BYD e6 PRODUCT CATALOGUE





It's not only what you drive
It's the way you live

Overview

[What is BYD e6?]



Build Your Dreams

Overview

Innovation Changes Our Lives

Green Technology Builds Your Dream

- Self-developed new energy technology
- High intelligent electronic systems
- Daimler-Benz quality concept



Overview

Energy Saving

- Free of gasoline while using electricity from all forms of sustainable sources

Zero Emissions

- Zero emissions during driving



Environmental-Friendly

- No pollutant exhaust in driving, low noise and battery can be recycled



Power Battery Pack — BYD Iron Phosphate Battery

Safety and Quality Guarantee of BYD Iron Phosphate Battery



BYD
CORE COMPETENCE

- Over 20 years of battery research and production experience, with production volume of over **4 GWH**.
- BYD is the strategic supplier of world's top brands like Samsung, Apple, HTC, Huawei, Lenovo etc.
- The up to date advanced automatic production lines.

- ① Assured stability and safety
- ② Over 4000 cycles
- ③ Raw materials supply is guaranteed
- ④ No pollution and emissions during the production of BYD Iron Phosphate Battery, and the waste batteries can be recycled

EV



Energy Storage Station



Power Battery Pack — BYD Iron Phosphate Battery

Safety test

Crush



Nail



Drop



Fire



Power Battery Pack — BYD Iron Phosphate Battery

Advantages

□ Assured stability and safety

The BYD Iron Phosphate battery applied in the BYD e6 and BYD ebus has passed numerous tests, including crash, nail, drop, burning, short circuit, etc.

□ Extraordinary long service life

Used under normal conditions, the BYD Iron Phosphate Battery will last 4,000 cycles (one cycle= one fully charge and fully discharge), and will still retain over 80% of its capacity and has no memory effect. With one charge cycle each day, the battery will work for at least 10 years.

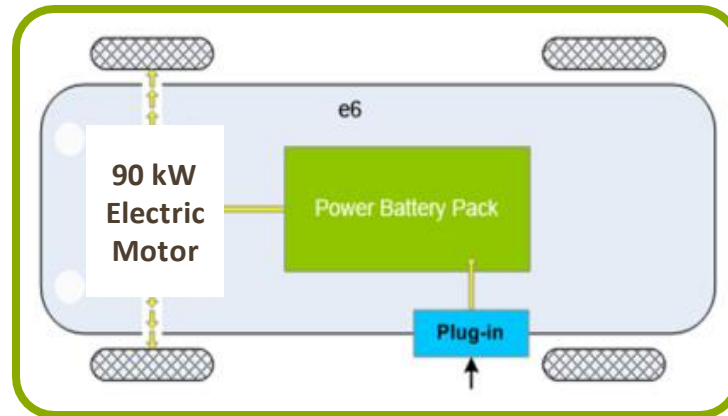
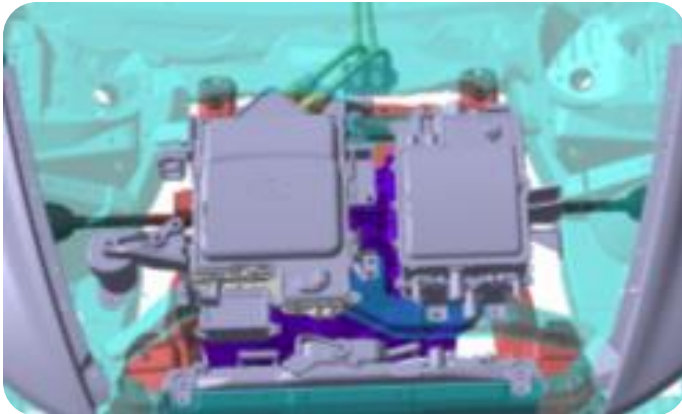
□ Environment-friendly

Economical and environmental-friendly raw materials are guaranteed. There is no pollution and emission during the production of BYD Iron Phosphate Battery, and the waste batteries can be recycled with minimal environmental impact.



E-drive Solution

Electric motor control system



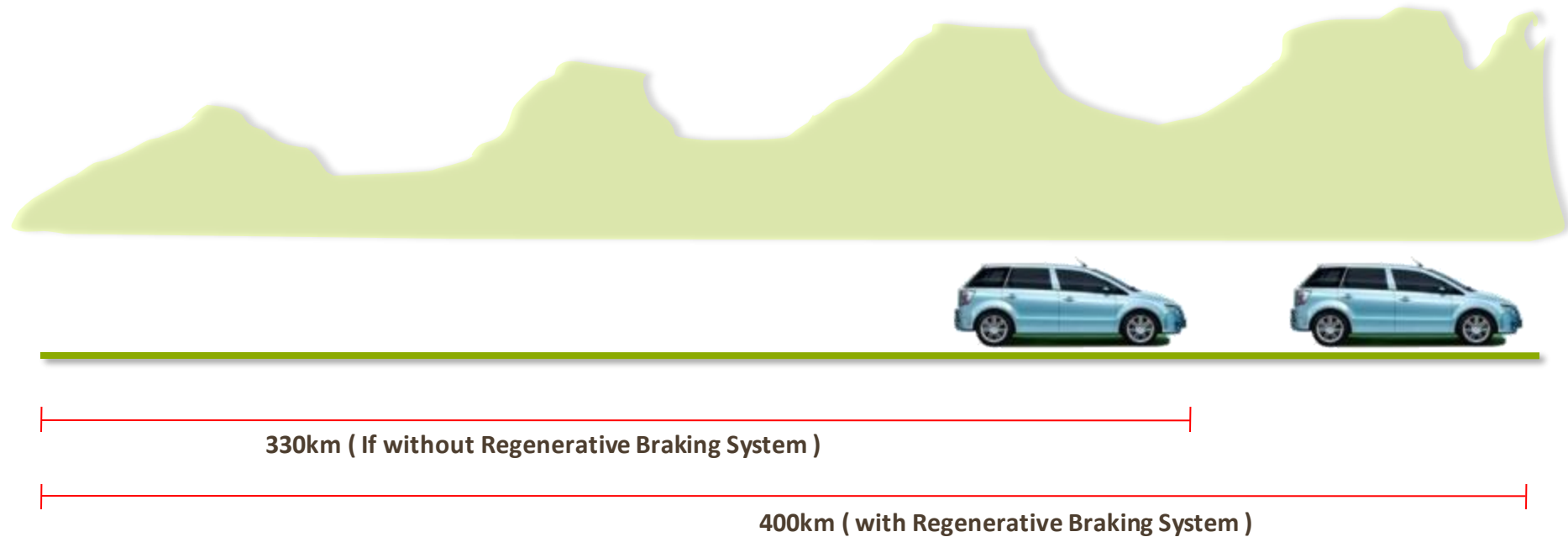
Top speed : 140km/h



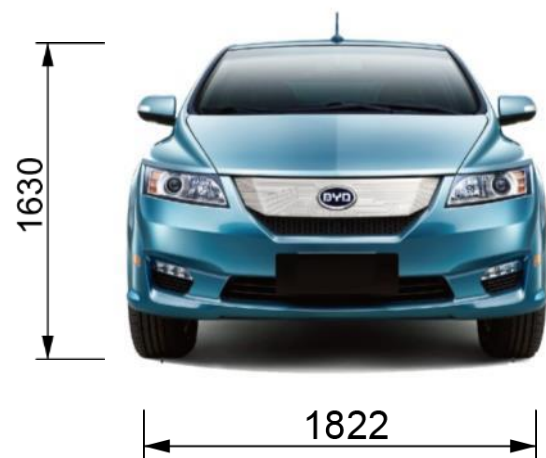
Regenerative Braking System

Extending electric-drive range

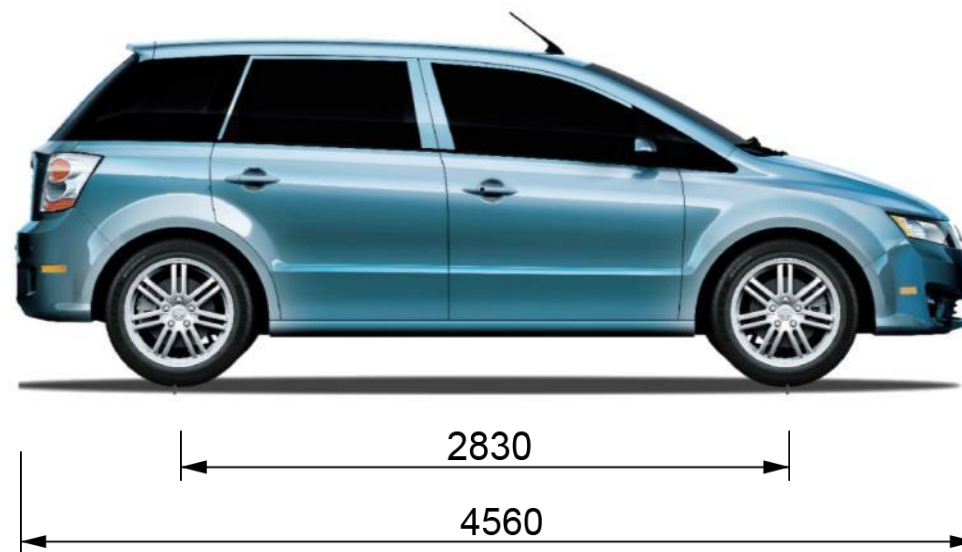
The kinetic energy of the traditional internal combustion vehicle will be converted to heat and dissipate during decelerating and downhill braking. However, the electric vehicle Regenerative Braking System will convert part of the kinetic energy to electricity and store it in the battery for more driving range. Using such a regenerative system, noise can be reduced and range can be increased.



Dimensions



Unit: mm



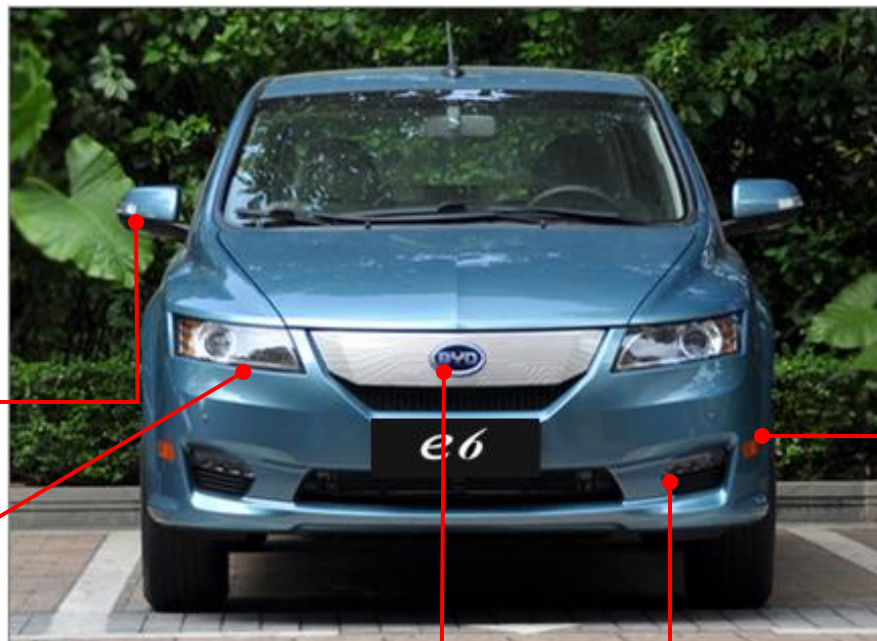
Exterior



Exterior



Manual exterior rearview mirror with heating function



7-spoke sports alloy-wheel



Automatic headlights



Electric circuit board design front grille
Electric circuit board design front grille



LED daytime running lights



Interior

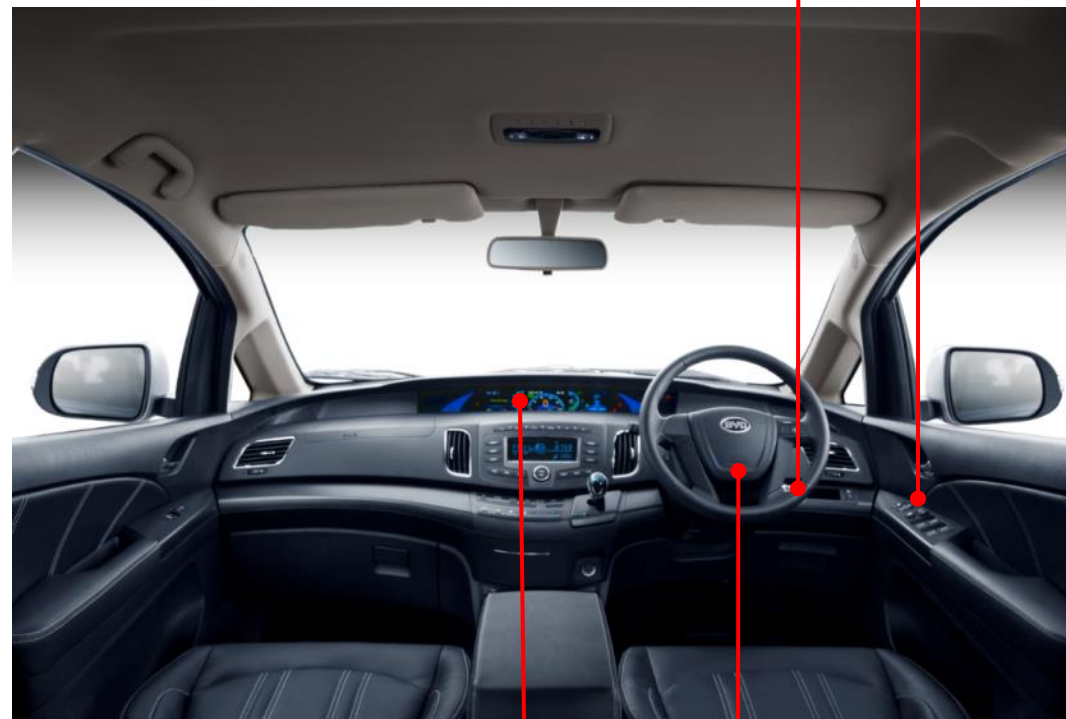


Interior

Smart Key System and E-Drive Control



4-Door Centre Control



TFT Combination Dashboard

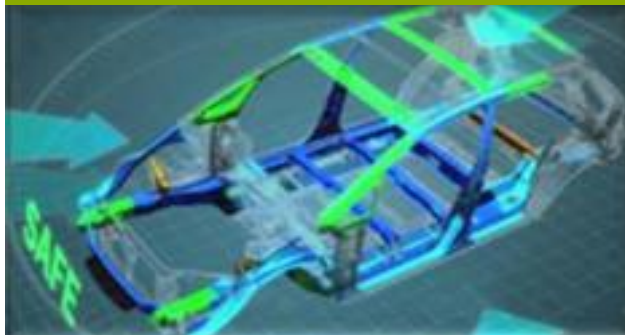


Steering Wheel
With Cruise Control function



Safety

Special design safety car body



EV car body style



Leakage protection



E-drive system anti-theft



Safety

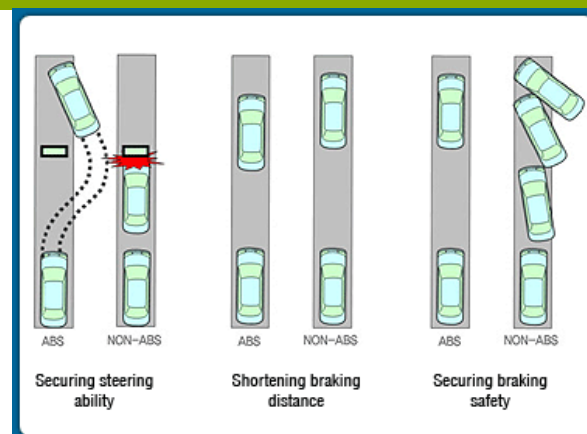
Front seat belt pretensioners



6 airbags



Bosch ABS system



ESP



Road Capability Test



6 million km road test of e6, proving reliability and durability

e6 passes the road tests of harsh collision, rain, high temperature, high pressure, extremely cold, wading to ensure safety of vehicle under various circumstances.



Special Version

e6 are used as taxis and police cars





Taxi Business Case in Shenzhen, China

Started: May. 2010

Fleet: 850 taxis + 500 police cars

Single Mileage : 687,000 km

Equivalent to 17.2 times of the length of equator, and more than 30 years' usage of a private car

Fleet Total Mileage: 303,420,000 km

As of Jun. 2015

Nanjing, China

Since May 2014, BYD has delivered 700 pure electric taxis to the city of Nanjing for the 2014 Youth Olympic Games.



Hong Kong, China

On May 15, 2013, BYD launched 45 pure electric taxis in Hong Kong, witnessed by Mr. Zeng Junhua, the Hong Kong Secretary of Finance. The taxi fleet has been operating without any problem. Its accumulated mileage is about 7.39 million km. The longest driving mileage of a single car in this fleet is about 282,200 km.



Singapore

On Dec 18, 2014, a BYD e6 Fleet was introduced in Singapore to help maintain and further improve its environment. In 2015, 100 more electric taxis are expected to be launched.



Belgium

In July 2014, a fleet of 34 e6 pure electric taxi was set up in Brussels. Up to now, total accumulated mileage is 442,520 km, the longest single-car mileage is 39,388 km.



United Kingdom

In February 11, 2014, London Thrive began to operate 32 BYD pure electric vehicles - e6, and provided their service to London citizens and tourists. This was the first electric taxi fleet in London. Up to now, this fleet of taxis has been operating without a problem, and the total mileage is 2,152,414 km, the longest single-car mileage is 97,912 km.



Colombia

In September 2013, BYD cooperated with the Bogota transportation & electric power department, building the largest pure electric taxi fleet in Latin America, with a total of 45 e6. By now, its accumulated mileage is 3.6million km, single mileage is 142,000 km.



Competitive Analysis

Specifications				
Items	Brand	BYD	Mitshubishi	Nissan
	Model	e6	i-MiEV	LEAF
				
Dimensions & Weight	L/ W/ H(mm)	4560*1822*1630	3395*1475*1600	4445*1770*1550
	Wheelbase(mm)	2830	2550	2690
	Curb weight(kg)	2420	1080	1521
Battery	Battery style	BYD Iron Phosphate Battery	Lithium-ion	Lithium-ion
	Battery capacity (kWh)	80	16	24
Range	Urban range(km)	400	160	160
Motor	Max .power(kW)	90	47	90
	Max. torque (N.m)	450	180	280
Performance	Top speed (km/h)	140	130	145
Charging time		2h (40kW)	7h (200V)	8h (200V 50Ah)



Specifications

Dimensions	Length	4,560 mm
	Width	1,822 mm
	Height	1,630 mm
	Wheelbase	2,830 mm
	Track width (F/R)	1,585/1,560 mm
	Curb weight	2,420 kg
	Maximum load-bearing weight	375 kg
	Tires	225/65 R17
Interior Dimensions	Seating capacity	5
	Head room (front/rear)	938/890 mm
	Shoulder room (front/rear)	1,471/1,454 mm
	Hip room (front/rear)	1,406/1,340 mm
	Leg room (front/rear)	1,016/1,188 mm
	Cargo volume	450L
Performance	Top speed	140 km/h
	Minimum turning diameter	11.4m
	Minimum ground clearance	120 mm
	Approach angle/Departure angle	21° / 25°
	Range	400 km
Chassis	Overhang (F)	920 mm
	Overhang (R)	810 mm
	Braking	Regenerative braking, front double calipers, rear single calipers,disc brake
	Steering	EHPS,variable for low & high speed maneuvers
Motor	Motor type	AC Synchronous Motor(Brushless)
	Maximum power	121 hp (90 kW)
	Maximum torque	450 N.m
Battery	Battery type	iron phosphate battery
	Capacity	80 kWh



Charging System



BYD 40kW AC Charging Adapter	
Applicable model	AC Charging
Length/width/height	690 / 400 / 200 mm
Input voltage	Three phase 380 / 400V AC
Input current	≤63A
Input power	≤40 kW
Working power frequency	50 / 60 Hz
Output voltage	AC 342V-440V (3 phase)
Output current	≤63A
Standby power	≤40 kW
Output coupler	GB/T 20234 / IEC 62196
Control method	Card swiping / touch screen
Insulation resistance	500V DC, ≥30 MΩ
Insulation voltage	AC 1,800V (input/output grounding)



BYD e6





Build Your Dreams

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