HILUCK Your Trusted Chinese EV	BYD e7 2025 450 Smart Edition	BYD e7 2025 520 Smart Edition	BYD e7 2025 520 Zhixing Edition	BYD e7 2025 450 Smart Travel Edition	BYD e7 2025 520 Smart Travel Edition	BYD e7 2025 520 Intelligent Travel Edition
Partner	-	-	-	-	-	-
Basic parameters ( • Standard C	⊃ Optional - N/A )					
Manufacturer	BYD	BYD	BYD	BYD	BYD	BYD
level	mid-size car	mid-size car	mid-size car	mid-size car	mid-size car	mid-size car
Energy type	Pure electric	Pure electric	Pure electric	Pure electric	Pure electric	Pure electric
Time to market	2025.05	2025.05	2025.05	2025.08	2025.08	2025.08
CLTC pure electric range (km)	450	520	520	450	520	520
Battery fast charging time (hours)	0.47	0.43	0.43	0.47	0.43	0.43
Battery fast charge capacity range (%)	30-80	30-80	30-80	30-80	30-80	30-80
Maximum power (kW)	100	100	100	100	100	100
Maximum torque (N·m)	180	180	180	180	180	180
Body structure	4-door, 5-seater sedan	4-door, 5-seater sedan	4-door, 5-seater sedan	4-door, 5-seater sedan	4-door, 5-seater sedan	4-door, 5-seater sedan
Motor (Ps)	136	136	136	136	136	136
Length*Width*Height(mm)	4780*1900*1515	4780*1900*1515	4780*1900*1515	4780*1900*1515	4780*1900*1515	4780*1900*1515
Official 0-100km/h acceleration (s)	-	-	-	-	-	-
Official 0-50km/h acceleration (s)	4.7	4.9	4.9	4.7	4.9	4.9
Maximum speed (km/h)	150	150	150	150	150	150
Electric energy equivalent fuel consumption (L/100km)	1.32	1.37	1.37	1.32	1.37	1.37
Curb mass (kg)	1499	1566	1566	1499	1566	1566
Maximum full load mass (kg)	1924	1991	1991	1924	1991	1991
<b>body</b> ( • Standard ○ Optional - N/A	)					
Length (mm)	4780	4780	4780	4780	4780	4780
Width (mm)	1900	1900	1900	1900	1900	1900
Height (mm)	1515	1515	1515	1515	1515	1515
Wheelbase (mm)	2820	2820	2820	2820	2820	2820
Front wheelbase (mm)	1608	1608	1608	1608	1608	1608
Rear track (mm)	1616	1616	1616	1616	1616	1616
Approach angle (°)	14	14	14	14	14	14
Departure angle (°)	16	16	16	16	16	16
Minimum turning radius (m)	5.4	5.4	5.4	5.4	5.4	5.4
Body structure	sedan	sedan	sedan	sedan	sedan	sedan
Door opening method	swing door	swing door	swing door	swing door	swing door	swing door
Number of doors	• 4	• 4	• 4	• 4	• 4	• 4
Number of seats	• 5	• 5	• 5	• 5	• 5	• 5
Trunk volume (L)	-	-	-	-	-	-
Drag coefficient (Cd)	-	-	-	-	-	-
electric motor ( • Standard ○ Op	otional - N/A )					
former motor brand	BYD Changsha	BYD Changsha	BYD Changsha	BYD Changsha	BYD Changsha	BYD Changsha
Front motor model	TZ180XSJ	TZ180XSJ	TZ180XSJ	TZ180XSJ	TZ180XSJ	TZ180XSJ
Motor type	Permanent magnet/synchronous	Permanent magnet/synchronous	Permanent magnet/synchronous	Permanent magnet/synchronous	Permanent magnet/synchronous	Permanent magnet/synchronous

Total motor power (kW)	100	100	100	100	100	100
Total motor horsepower (Ps)	136	136	136	136	136	136
Total torque of the motor (N·m)	180	180	180	180	180	180
Maximum power of front motor (kW)	100	100	100	100	100	100
Maximum torque of front motor (N·m)	180	180	180	180	180	180
Number of drive motors	Single motor					
Motor layout	Pre	Pre	Pre	Pre	Pre	Pre

# **Battery/Charging** ( • Standard ○ Optional - N/A )

Battery Type	<ul> <li>lithium iron phosphate battery</li> </ul>	lithium iron phosphate     battery	• lithium iron phosphate battery	• lithium iron phosphate battery	<ul> <li>lithium iron phosphate battery</li> </ul>	• lithium iron phosphate battery
Battery cell brand	• Fudi	• Fudi	• Fudi	• Fudi	• Fudi	• Fudi
Battery cooling method	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling	Direct cooling
CLTC pure electric range (km)	450	520	520	450	520	520
Battery energy (kWh)	48	57.6	57.6	48	57.6	57.6
Power consumption per 100 kilometers (kWh/100km)	11.4	11.8	11.8	11.4	11.8	11.8
Fast charging function	support	support	support	support	support	support
Fast charging power (kW)	70	84	84	70	84	84
Battery fast charging time (hours)	0.47	0.43	0.43	0.47	0.43	0.43
Battery fast charge capacity range (%)	30-80	30-80	30-80	30-80	30-80	30-80
Slow charging port location	right front side of the car	right front side of the car	right front side of the car	right front side of the car	right front side of the car	right front side of the car
Fast charging port location	Right rear side of the car	Right rear side of the car	Right rear side of the car	Right rear side of the car	Right rear side of the car	Right rear side of the car

# **gearbox** ( • Standard ○ Optional - N/A )

Abbreviation	Electric vehicle single- speed transmission					
Number of gears	1	1	1	1	1	1
Transmission type	Fixed gear ratio gearbox					

# **Chassis steering** ( ◆ Standard ○ Optional - N/A )

Drive mode	• Front-engine, front- wheel drive	• Front-engine, front- wheel drive	• Front-engine, front- wheel drive	• Front-engine, front- wheel drive	• Front-engine, front- wheel drive	• Front-engine, front- wheel drive
Front suspension type	McPherson independent suspension	<ul> <li>McPherson independent suspension</li> </ul>	<ul> <li>McPherson independent suspension</li> </ul>	<ul> <li>McPherson independent suspension</li> </ul>	<ul> <li>McPherson independent suspension</li> </ul>	<ul> <li>McPherson independent suspension</li> </ul>
Rear suspension type	Torsion beam non- independent suspension	• Torsion beam non- independent suspension	• Torsion beam non- independent suspension	• Torsion beam non- independent suspension	• Torsion beam non- independent suspension	• Torsion beam non- independent suspension
Power type	Electric power steering	Electric power steering	Electric power steering	Electric power steering	Electric power steering	Electric power steering
Body structure	load-bearing	load-bearing	load-bearing	load-bearing	load-bearing	load-bearing

### wheel brakes ( • Standard O Optional - N/A )

| Front brake type          | Ventilated disc          |
|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Rear brake type           | • Disc                   |
| Parking brake type        | Electronic parking brake |
| Front tire specifications | • 205/60 R16             |
| Rear tire specifications  | • 205/60 R16             |
| Spare tire specifications | • Tire repair tools      |

Driver/passenger seat airbags	host∙ / Vice∙								
Front/rear side airbags	forward○ / back-	forward○ / back-	forward● / back-	forward〇 / back-	forward○ / back-	forward• / back-			
Front/rear head airbags (air curtain)	forwardO / backO	forward() / back()	forward∙ / back∙	forwardO / backO	forward〇 / back〇	forward∙ / back•			
Active safety ( ◆ Standard ○ Optional - N/A )									
ABS anti-lock braking system	•	•	•	•	•	•			
Braking force distribution (EBD/CBC, etc.)	•	•	•	•	•	•			
Brake assist (EBA/BAS/BA, etc.)	•	•	•	•	•	•			
Traction control (ASR/TCS/TRC, etc.)	•	•	•	•	•	•			
Vehicle stability control (ESC/ESP/DSC, etc.)	•	•	•	•	•	•			
Tire pressure monitoring function	• Tire pressure alarm								
Seat belt unfastened reminder	whole vehicle	• whole vehicle	• whole vehicle	• whole vehicle	• whole vehicle	whole vehicle			
ISOFIX child seat interface	•	•	•	•	•	•			
Lane Departure Warning System	-	-	-	-	-	-			
Active braking/active safety systems	-	-	-	-	-	-			
Fatigue driving tips	-	-	-	-	-	-			
Low speed warning	•	•	•	•	•	•			
<b>Driving control</b> ( • Standard ○	Optional - N/A )								
Driving mode switch	<ul><li>sports</li><li>economy</li><li>Standard/Comfort</li></ul>	<ul><li>sports</li><li>economy</li><li>Standard/Comfort</li></ul>	<ul><li>sports</li><li>economy</li><li>Standard/Comfort</li></ul>	<ul><li>sports</li><li>economy</li><li>Standard/Comfort</li></ul>	<ul><li>sports</li><li>economy</li><li>Standard/Comfort</li></ul>	<ul><li>sports</li><li>economy</li><li>Standard/Comfort</li></ul>			
Energy recovery system	•	•		•	•	•			
Automatic parking	•	•		•	•	•			
Hill-start assist	•		•	•	•	•			
Driving hardware ( • Standard	l 〇 Optional - N/A )								
Front/rear parking radar	Front / Back•	Front / Back●							
Driving assistance images	<ul> <li>Reversing image</li> </ul>	<ul> <li>Reversing image</li> </ul>	• 360-degree panoramic images	<ul> <li>Reversing image</li> </ul>	<ul> <li>Reversing image</li> </ul>	• 360-degree panoramic images			
Number of cameras	• 1	• 1	• 4	• 1	• 1	• 4			
Number of ultrasonic radars	• 4	• 4	• 4	• 4	• 4	• 4			
<b>Driving functions</b> ( • Standard	l O Optional - N/A )								
Cruise control system	Cruise control	• Cruise control	• Cruise control	• Cruise control	<ul> <li>Cruise control</li> </ul>	Cruise control			
Satellite navigation system	•	•	•	•	•	•			
Navigation traffic information display	•	•	•	•	•	•			
Lane change assistance	-	-	-	-	-	-			
Lane Keeping Assist System	-	-	-	-	-	-			
Assisted parking	-	-	-	-	-	-			
Appearance/anti-theft ( • St	tandard O Optional - N/A )								
Rim material	• steel	aluminum alloy	• aluminum alloy	• steel	<ul> <li>aluminum alloy</li> </ul>	aluminum alloy			
Electric trunk	-	-	-	-	-	-			

Central locking system in the car

Key type	Bluetooth key	Bluetooth key	Bluetooth key	Bluetooth key	Bluetooth key	Bluetooth key
Keyless start system	•	•	•	•	•	•
Keyless entry function	•	•	•	•	•	•
Remote start function	•	•	•	•	•	•
Battery preheating	•	•	•	•	•	•
Discharge to the outside	•	•	•	•	•	•
Exterior lights ( • Standard • •	ptional - N/A )					
Low beam light source	• led	• led	• led	• led	• led	• led
High beam light source	• led	• led	• led	• led	• led	• led
LED daytime running lights	•	•	•	•	•	•
Adaptive high and low beam	-	-	-	-	-	-
Automatic headlights	•	•	•	•	•	•
Front fog lights	-	-	-	-	-	-
Headlight height adjustable	•	•	•	•	•	•
Headlights delayed off	•	•	•	•	•	•
<b>Skylight/Glass</b> ( • Standard ○ C	optional - N/A )					
Skylight Type	_		Openable panoramic			Openable panorar
skynght Type			sunroof			sunroof
Front/rear electric windows	forward• / back•	forward• / back•	forward• / back•	forward• / back•	forward• / back•	forward• / back•
One-touch window lift function	• Driver's seat	Driver's seat	<ul><li>Driver's seat</li></ul>	<ul><li>Driver's seat</li></ul>	Driver's seat	Driver's seat
Window anti-pinch function	•	•		•	•	•
Car makeup mirror	-	-		-	-	-
rear wiper	-	-	-	-	-	-
Rain sensor wiper function	-	-	-	-	-	-
exterior rearview mirror (•	Standard ○ Optional - N/A )					
Exterior rearview mirror function	<ul><li>Electric adjustment</li><li>Heated rearview mirrors</li></ul>	<ul><li>Electric adjustment</li><li>Heated rearview mirrors</li></ul>	<ul><li>Electric adjustment</li><li>Heated rearview mirrors</li></ul>	<ul><li>Electric adjustment</li><li>Heated rearview mirrors</li></ul>	<ul><li>Electric adjustment</li><li>Heated rearview mirrors</li></ul>	<ul> <li>Electric adjustment</li> <li>Heated rearview min</li> </ul>
Screen/System ( • Standard O C	Optional - N/A )  • Touch LCD screen	<ul> <li>Touch LCD screen</li> </ul>	<ul> <li>Touch LCD screen</li> </ul>	<ul> <li>Touch LCD screen</li> </ul>	<ul> <li>Touch LCD screen</li> </ul>	<ul> <li>Touch LCD scree</li> </ul>
Central control screen size	• 10.1 inches	• 10.1 inches	• 15.6 inches	• 10.1 inches	• 10.1 inches	• 15.6 inches
Bluetooth/car phone	•	•	•	•	•	•
Mobile phone	_	-	-	-	-	-
Mobile phone interconnection/mapping						
	•	•	•	•	•	•
interconnection/mapping  Voice recognition control	• Hello, Xiaodi	• Hello, Xiaodi	• Hello, Xiaodi	• Hello, Xiaodi	• Hello, Xiaodi	<ul><li>Hello, Xiaodi</li></ul>
interconnection/mapping Voice recognition control system						
interconnection/mapping  Voice recognition control system  Voice assistant wake-up word  Voice wake-up recognition by	• Hello, Xiaodi	• Hello, Xiaodi	• Hello, Xiaodi	• Hello, Xiaodi	• Hello, Xiaodi	• Hello, Xiaodi
interconnection/mapping  Voice recognition control system  Voice assistant wake-up word  Voice wake-up recognition by region	• Hello, Xiaodi	• Hello, Xiaodi	<ul><li>Hello, Xiaodi</li><li>Four regions</li></ul>	• Hello, Xiaodi	• Hello, Xiaodi	<ul><li>Hello, Xiaodi</li><li>Four regions</li></ul>
interconnection/mapping  Voice recognition control system  Voice assistant wake-up word  Voice wake-up recognition by region  Continuous Speech Recognition	• Hello, Xiaodi	• Hello, Xiaodi	<ul><li>Hello, Xiaodi</li><li>Four regions</li></ul>	• Hello, Xiaodi	• Hello, Xiaodi	<ul><li>Hello, Xiaodi</li><li>Four regions</li></ul>
interconnection/mapping  Voice recognition control system  Voice assistant wake-up word  Voice wake-up recognition by region  Continuous Speech Recognition  Seeing is telling	<ul><li>Hello, Xiaodi</li><li>Dual Region</li><li>-</li><li>-</li></ul>	<ul><li>Hello, Xiaodi</li><li>Dual Region</li><li>-</li><li>-</li></ul>	<ul><li>Hello, Xiaodi</li><li>Four regions</li><li></li></ul>	<ul><li>Hello, Xiaodi</li><li>Dual Region</li><li>-</li><li>-</li></ul>	<ul><li>Hello, Xiaodi</li><li>Dual Region</li><li>-</li><li>-</li></ul>	<ul><li>Hello, Xiaodi</li><li>Four regions</li><li></li></ul>
interconnection/mapping  Voice recognition control system  Voice assistant wake-up word  Voice wake-up recognition by region  Continuous Speech Recognition  Seeing is telling  App Store	<ul> <li>Hello, Xiaodi</li> <li>Dual Region</li> <li>-</li> <li>-</li> <li>-</li> <li>-</li> </ul>	<ul> <li>Hello, Xiaodi</li> <li>Dual Region</li> <li>-</li> <li>-</li> <li>-</li> <li>-</li> <li>•</li> </ul>	<ul> <li>Hello, Xiaodi</li> <li>Four regions</li> <li></li> <li><!--</td--><td><ul> <li>Hello, Xiaodi</li> <li>Dual Region</li> <li>-</li> <li>-</li> <li>-</li> <li>-</li> <li>•</li> </ul></td><td><ul> <li>Hello, Xiaodi</li> <li>Dual Region</li> <li>-</li> <li>-</li> <li>-</li> <li>•</li> </ul></td><td><ul><li>Hello, Xiaodi</li><li>Four regions</li><li></li><li></li></ul></td></li></ul>	<ul> <li>Hello, Xiaodi</li> <li>Dual Region</li> <li>-</li> <li>-</li> <li>-</li> <li>-</li> <li>•</li> </ul>	<ul> <li>Hello, Xiaodi</li> <li>Dual Region</li> <li>-</li> <li>-</li> <li>-</li> <li>•</li> </ul>	<ul><li>Hello, Xiaodi</li><li>Four regions</li><li></li><li></li></ul>
interconnection/mapping  Voice recognition control system  Voice assistant wake-up word  Voice wake-up recognition by region  Continuous Speech Recognition  Seeing is telling  App Store	<ul> <li>Hello, Xiaodi</li> <li>Dual Region</li> <li>-</li> <li>-</li> <li>-</li> <li>DiLink</li> </ul>	<ul> <li>Hello, Xiaodi</li> <li>Dual Region</li> <li>-</li> <li>-</li> <li>-</li> <li>-</li> <li>•</li> </ul>	<ul> <li>Hello, Xiaodi</li> <li>Four regions</li> <li></li> <li><!--</td--><td><ul> <li>Hello, Xiaodi</li> <li>Dual Region</li> <li>-</li> <li>-</li> <li>-</li> <li>-</li> <li>•</li> </ul></td><td><ul> <li>Hello, Xiaodi</li> <li>Dual Region</li> <li>-</li> <li>-</li> <li>-</li> <li>•</li> </ul></td><td><ul><li>Hello, Xiaodi</li><li>Four regions</li><li></li><li></li></ul></td></li></ul>	<ul> <li>Hello, Xiaodi</li> <li>Dual Region</li> <li>-</li> <li>-</li> <li>-</li> <li>-</li> <li>•</li> </ul>	<ul> <li>Hello, Xiaodi</li> <li>Dual Region</li> <li>-</li> <li>-</li> <li>-</li> <li>•</li> </ul>	<ul><li>Hello, Xiaodi</li><li>Four regions</li><li></li><li></li></ul>

4G/5G network	• 4G	• 4G	• 5G	• 4G	• 4G	• 5G
OTA upgrade	•	•	•	•	•	•
Wi-Fi hotspots	•	•	•	•	•	•
Mobile APP remote function	<ul> <li>Door control</li> <li>Headlight control</li> <li>Air conditioning control</li> <li>Vehicle</li> <li>positioning/search</li> </ul>	<ul> <li>Door control</li> <li>Headlight control</li> <li>Air conditioning control</li> <li>Vehicle</li> <li>positioning/search</li> </ul>	<ul> <li>Door control</li> <li>Headlight control</li> <li>Air conditioning control</li> <li>Vehicle</li> <li>positioning/search</li> </ul>	<ul> <li>Door control</li> <li>Headlight control</li> <li>Air conditioning control</li> <li>Vehicle</li> <li>positioning/search</li> </ul>	<ul> <li>Door control</li> <li>Headlight control</li> <li>Air conditioning control</li> <li>Vehicle</li> <li>positioning/search</li> </ul>	<ul> <li>Door control</li> <li>Headlight control</li> <li>Air conditioning control</li> <li>Vehicle</li> <li>positioning/search</li> </ul>
Steering wheel/interior rea	rview mirror ( • Standard O (	Optional - N/A )				
Steering wheel material	• plastic					
Steering wheel position	Manual up and down +					

Steering wheel material	• plastic					
Steering wheel position adjustment	Manual up and down + front and back adjustment	Manual up and down + front and back adjustment	Manual up and down + front and back adjustment	Manual up and down + front and back adjustment	Manual up and down + front and back adjustment	Manual up and down + front and back adjustment
Gear shifting	• Electronic hand-shift gear					
Multi-function steering wheel	•	•	•	•	•	•
Heated steering wheel	-	-	-	-	-	-
Steering wheel memory	-	-	-	-	-	-
Trip computer display screen	• color					
Full LCD instrument panel	•	•	•	•	•	•
LCD instrument size	• 5 inches					
Interior rearview mirror function	Manual anti-glare					

### **In-car charging** ( • Standard O Optional - N/A )

Multimedia/charging port	• USB • Type-C					
Number of USB/Type-C ports	• 2 front seats/2 back seats					
USB/Type-C maximum charging power	• 60W					
Mobile phone wireless charging function	-		-	-	-	-

## **Seat configuration** ( • Standard ○ Optional - N/A )

Seat material	• imitation leather	• imitation leather	• imitation leather	• imitation leather	• imitation leather	• imitation leather
Main seat adjustment method	<ul> <li>Front and rear adjustment</li> <li>Backrest adjustment</li> <li>Height adjustment (2- way)</li> </ul>	<ul> <li>Front and rear         adjustment</li> <li>Backrest adjustment</li> <li>Height adjustment (2-         way)</li> </ul>	<ul> <li>Front and rear adjustment</li> <li>Backrest adjustment</li> <li>Height adjustment (2- way)</li> </ul>	<ul> <li>Front and rear adjustment</li> <li>Backrest adjustment</li> <li>Height adjustment (2- way)</li> </ul>	<ul> <li>Front and rear adjustment</li> <li>Backrest adjustment</li> <li>Height adjustment (2- way)</li> </ul>	<ul> <li>Front and rear adjustment</li> <li>Backrest adjustment</li> <li>Height adjustment (2- way)</li> </ul>
Passenger seat adjustment method	<ul><li>Front and rear adjustment</li><li>Backrest adjustment</li></ul>	<ul><li>Front and rear adjustment</li><li>Backrest adjustment</li></ul>	<ul><li>Front and rear</li><li>adjustment</li><li>Backrest adjustment</li></ul>	<ul><li>Front and rear</li><li>adjustment</li><li>Backrest adjustment</li></ul>	<ul><li>Front and rear</li><li>adjustment</li><li>Backrest adjustment</li></ul>	<ul><li>Front and rear adjustment</li><li>Backrest adjustment</li></ul>
Electric adjustment of driver's seat and passenger seat	-	-	-	-	-	-
Front seat functions	<ul><li>Heating (driver's seat only)</li><li>Ventilation (driver's seat only)</li></ul>	<ul><li>Heating (driver's seat only)</li><li>Ventilation (driver's seat only)</li></ul>	<ul> <li>Heating (driver's seat only)</li> <li>Ventilation (driver's seat only)</li> </ul>	<ul><li>Heating (driver's seat only)</li><li>Ventilation (driver's seat only)</li></ul>	<ul><li>Heating (driver's seat only)</li><li>Ventilation (driver's seat only)</li></ul>	<ul><li>Heating (driver's seat only)</li><li>Ventilation (driver's seat only)</li></ul>
Electric seat memory function	-	-	-	-	-	-
Co-pilot rear seat adjustable buttons	-	-	-	-	-	-
Second row seat adjustment	-	-	-	-	-	-
Rear seat folding	-	-	-	-	-	-
Front/rear center armrest	forward• / back-	forward● / back-	forward• / back-	forward• / back-	forward• / back-	forward● / back-
Rear cup holder	-	-	-	-	-	-

#### **Audio/Interior Lighting** ( • Standard ○ Optional - N/A ) Speaker brand name Number of speakers • 4 speakers 4 speakers 4 speakers 4 speakers • 4 speakers 4 speakers Interior ambient lighting **Air conditioning/refrigerator** ( • Standard O Optional - N/A ) Air conditioning temperature • Automatic air control method conditioning conditioning conditioning conditioning conditioning conditioning heat pump air conditioner Rear independent air conditioning Rear seat air vents **Temperature zone control** Car air purifier In-car PM2.5 filter

**color** ( • Standard ○ Optional - N/A )

Appearance color	Crystal White Time Gray Coolmi	Crystal White Time Gray Coolmi	Crystal White Time Gray Coolmi			
Interior color	Xuankong Black	Xuankong Black	Xuankong Black	Xuankong Black	Xuankong Black	Xuankong Black