

EBU AUTO

BYD Han DM 2022 DM-i 242KM Flagship



Basic Information

Parameter	Value
Official RMB Guide Price	RMB 291,800
Brand	BYD
Vehicle Class	Mid-to-large Sedan
Energy Type	Plug-in Hybrid
Launch Time	2022.04
Engine Description	1.5T 139 Ps L4 plug-in hybrid
MIIT Pure Electric Range (km)	206
NEDC Pure Electric Range (km)	242
WLTC Pure Electric Range (km)	206
CLTC Pure Electric Range (km)	-
MIIT Comprehensive Range (km)	-
NEDC Comprehensive Range (km)	1300
Charging Time	Fast charge28 min Slow charge5.36 h
Fast Charging Percent	30-80
Drive Motor Maximum Power (kW)	-
Engine Max Power Horsepower	102(139Ps)
Electric Max Power	160(218Ps)
Drive Motor Maximum Torque (N·m)	325
Engine Maximum Torque (N·m)	231
Electric Max Torque	325
Gearbox Description	E-CVT continuously variable transmission
Length × Width × Height (mm)	4975x1910x1495
Body Structure	4-door 5-seat sedan
Max Speed	185
Acceleration Time	7.9
Fuel Comprehensive	4.5
WLTC Fuel Comprehensive	5.3
Power Consumption	19.1
E Energy Equivalent Fuel Consumption	-
State Of Charge Fuel Consumption	-
WLTC State Of Charge Fuel Consumption	5.3
NEDC State Of Charge Fuel Consumption	4.5
Period	6 years or 150,000 km
Maintain Cost	RMB 10740.0

Body

Parameter	Value
Length	4975
Width	1910
Height	1495
Wheelbase (mm)	2920
Front Track (mm)	1640
Rear Track (mm)	1640
Min Clearance	-

Parameter	Value
Body Struct	Sedan
Number of Doors	4
Door Open Way	Conventional doors
Number of Seats	5
Curb Weight (kg)	2050
Gross Weight (kg)	2425
Oil Tank Volume	50.0
Cargo Volume (L)	470
Min Turning Radius	6.15m

Engine

Parameter	Value
Engine Model	BYD476ZQC
Cylinder Volume MI	1497
Capacity L	1.5
Gas Form	Turbocharged
Engine Layout Form	Transverse
Cylinder Arrangement	L
Cylinder Num	4
Valves Per Cylinder Num	4
Compression Ratio S	12.5
Air Supply	DOHC
Engine Max Horsepower	139
Engine Maximum Power (kW)	102
Max Engine Net Power	-
Max Power Revolution	5200
Engine Maximum Torque (N·m)	231
Engine Max Torque Revolution	1350-4000
Engine Fuel Efficiency	40.12
Engine Unique Tech	VVT
Energy Type	Plug-in Hybrid
Fuel Label	92#
Oil Supply	Direct injection
Cylinder Head Material	Aluminum alloy
Cylinder Material	Aluminum alloy
Environmental Standards	China VI

Electric Motor

Parameter	Value
Electric Motor Description	Plug-in hybrid 218 Ps
Electric Type	Permanent magnet / synchronous
Total Electric Power	160
Front Electric Max Horsepower	218
Total Electric Torque	325
Front Motor Maximum Power (kW)	160
Front Motor Maximum Torque (N·m)	325
Rear Motor Maximum Power (kW)	-
Rear Motor Maximum Torque (N·m)	-
Electric System Power	-
Electric System Torque	-
Electric Drive Number	Single motor
Electric Layout	Front-mounted

Battery / Charging

Parameter	Value
Battery Type	Lithium iron phosphate battery
Battery Special Technology	Blade battery
Battery Brand	BYD
Battery Warranty	Lifetime warranty for first owner (subject to official terms)
Battery Capacity (kWh)	37.5
Battery Energy Density (Wh/kg)	-
Battery Charging Rate	-

Battery Charging

Parameter	Value
Battery Charging	Standard
DC Fast-charging Port	Standard

Battery / Charging

Parameter	Value
Max Fast Charge Power	80

DC Charging Port Position

Parameter	Value
DC Charging Port Position (Right rear side)	-

AC Charging Port Position

Parameter	Value
DC Charging Port Position (Right rear side)	-

Battery / Charging

Parameter	Value
Battery Temperature Management System Heating	Standard
Battery Temperature Management System Cooling	Liquid cooling
Single Footboard Mode	-
VTOL Power Station	Standard
Max External Discharge Power	6kW
Vtov Max External Discharge Power	-

Transmission

Parameter	Value
Gearbox Description	E-CVT continuously variable transmission
Number of Gears	CVT
Gearbox Type	CVT(E-CVT)

Chassis / Steering

Parameter	Value
Drive Type	Front-engine FWD
Fourwheel Drive Type	-
Front Suspension Type	MacPherson independent suspension
Rear Suspension Type	Multi-link independent suspension
Power Steering Type	Electric power steering
Car Body Structure	Unibody

Wheels / Brakes

Parameter	Value
Front Brake Type	Ventilated disc
Rear Brake Type	SolidDisc
Parking Brake Type	Electronic parking brake
Front Tire Size	245/45 R19
Rear Tire Size	245/45 R19
Spare Tire Specification	-
Special Features	-
ABS Anti Lock	Standard
Brake Force	Standard
Brake Assist	Standard
Traction Control	Standard
Body Stability System	Standard

Active Safety Warning System

Parameter	Value
Lane Departure Warning	Standard
Forward Collision Warning	Standard
Rear Collision Warning	Standard

Parameter	Value
Rear Cross Traffic Alert	Standard
Door Open Warning	Standard
Front Cross Traffic Alert	-
Front Cross Traffic Braking	-

Wheels / Brakes

Parameter	Value
Active Brake	Standard
Line Support	Standard
Lane Keeping Assist	Standard
Lane Center	Standard
Fatigue Driving Warning	Standard
Active DMS Fatigue Detection	Standard
Vital Signs Detection	-
Road Traffic Sign Recognition	Standard
Signal Recognition	-
Night Vision System	-
Special Features	-

Front Airbag Driving

Parameter	Value
Driver Seat	Standard
Front Passenger Seat	Standard

Side Airbags

Parameter	Value
Front Row	Standard
Rear Row	Standard

Wheels / Brakes

Parameter	Value
Side Air Curtain	Standard

Front Airbag

Parameter	Value
Driver Seat	Standard

Wheels / Brakes

Parameter	Value
Front Near Center Airbag	-
Seat Belt Prompted	Standard
Tire Pressure System	Tire pressure display
Child Seat Interface	Standard
Passive Pedestrian Protection	-
Explosion Tire	-
Navigation Assistance Control	-

Parking Sensors

Parameter	Value
Front Parking Radar	Standard
Rear Parking Radar	Standard

Wheels / Brakes

Parameter	Value
Forward Car Departure Reminder	-
Narrow Road Assistance	-

Driving Assist Camera View Camera View

Parameter	Value
Driving Assist Camera View Camera View	Standard

Parameter	Value
Driving Assist Camera View 360°Camera View	Standard
Driving Assist Camera View Camera View	Standard

Cruise System Cruise

Parameter	Value
Cruise System Cruise	Standard
Cruise System Cruise	Standard
Cruise System Cruise	Standard

Wheels / Brakes

Parameter	Value
Auto Road Change	Standard
Auto Road Out In	-

Navigation-assisted Driving

Parameter	Value
Highway Navigation Assist	-
Urban Navigation Assist	-

Wheels / Brakes

Parameter	Value
Automatic Drive Level	L2
Auto Park Entry	Standard
Track Reverse	-
Memory Parking	-
Automated Valet Parking	-
Auto Park	Standard
Uphill Support	Standard
Steep Slope	-
Engine Sas Tech	-

Adjustable Suspension

Parameter	Value
Variable Suspension - Soft / hard	-

Wheels / Brakes

Parameter	Value
Air Suspension	-
Air Suspension	-
Electromagnetic Induct Suspension	-
Variable Steer System	-
Front Slip Method	-
Rear Slip Method	-
Central Differential Lock	-
Overall Turn	-

Drive Mode Selection

Parameter	Value
Sport	Standard
Snow	Standard
Eco	Standard
Normal / Comfort	Standard

Wheels / Brakes

Parameter	Value
Brake Energy Regeneration	Standard
Comfortable Braking	-
Low Speed Driving Warning	Standard
Special Features	-
Skylight Type	Openable panoramic sunroof

Parameter	Value
Light Sensing Canopy	-
Roof Racks	-
Sports Appearance Kit	-
Electric Spoiler	-
Active Closed Inlet Grid	-
Alloy Wheel	Standard
Frameless Design Door	-
Hidden Door Handle	Standard
Drag Hook	-
Special Features	-

Steering Wheel Material

Parameter	Value
Steering Wheel Material	-
Steer Wheel Material - Genuine leather	Standard

Wheels / Brakes

Parameter	Value
Steer Wheel Adjustment	+
Elec Steer Wheel Adjustment	-

Steering Wheel Function

Parameter	Value
Steering Wheel Function Function Control	Standard
Memory	-
Heating	-

Gear Selector Type

Parameter	Value
Gear Selector Type (Electronic column shifter)	-
Gear Selector Type (Electronic gear selector)	-

Wheels / Brakes

Parameter	Value
LCD Dashboard Type	Full LCD

Size ()

Parameter	Value
12.3	Standard

Wheels / Brakes

Parameter	Value
Special Features	-
Electric Door	-
Electric Back Door	Standard
Inductive Back Door	-
Electric Back Door Memory	Standard
Engine Anti Theft	Standard
Central Locking Car	Standard

Key Type Intelligent Key

Parameter	Value
Key Type Intelligent Key	Standard
Key Type Key	Standard
Key Type NFC/RFIDKey	Standard
Remote Key - UWBDigital key	-

Wheels / Brakes

Parameter	Value
Keyless Entry	Front row

Parameter	Value
Keyless Start	Standard
Engine Remote Start	Standard
Remote Control Move	Standard
Car Call	-
Header Display System	Standard
Built In Tachograph	Standard
Original ETC	-
Active Noise Reduction	-
Mobile Wireless Charging	Standard

Charging Maximum Power (W)

Parameter	Value
15	15
50	-

Wheels / Brakes

Parameter	Value
Power Outlet	Standard
Baggage 12V Power Outlet	-
Seats	-
Seat Material	Genuine leather
Seat Cork Style	NappaGenuine leather
Sport Style Seat	Optional
Second Independent Seat	-

Power Seat Adjustment

Parameter	Value
Driver Seat	Standard
Front Passenger Seat	Standard
Second Row Seat Electrical Adjustment	-

Wheels / Brakes

Parameter	Value
Stowable Third Row Seats	-

Driver Seat Overall Adjustment

Parameter	Value
Seat Front Rear	Standard
Backrest Angle	Standard
Height Adjustment	Standard

Driver Seat Partial Adjustment

Parameter	Value
Headrest	Standard
Main Drive Waist - Lumbar	Standard

Front Passenger Seat Overall Adjustment

Parameter	Value
Seat Front Rear	Standard
Height Adjustment	Standard
Backrest Angle	Standard

Front Passenger Seat Partial Adjustment

Parameter	Value
Headrest	Standard
Main Drive Waist - Lumbar	Standard

Second Seat Control Functional

Parameter	Value
Second-row Seat Main Adjustments - Option	-

Wheels / Brakes

Parameter	Value
Second Local Seat	-

Front Seat Function

Parameter	Value
Heating	Standard
Front Seat Function	Standard
Front Seat Massage	-
Front Seat Function (Driving)	Standard
Front Seat Functions - Driver Seat Heating	-
Front Seat Function (Driving)	-

Seat Function

Parameter	Value
Heating	-
Front Seat Function	-
Front Seat Massage	-

Wheels / Brakes

Parameter	Value
Co Pilot Rear Adjustable Button	Standard

Front /Rear

Parameter	Value
Front Row	Standard
Rear Row	Standard

Wheels / Brakes

Parameter	Value
Rear Cup Holder	Standard
Hot Cold Cup Holder	-
Second Row Seat Down Ratio	-
Second Row Small Desktop	-
Special Features	-
Center Screen Size	15.6

Material

Parameter	Value
LCD	-

Wheels / Brakes

Parameter	Value
Rotatable Center Screen	Standard
GPS	Standard
AR Reality Navigation	-
Navigation System	Standard

Map Provider

Parameter	Value
Baidu	-
Amap	-

Wheels / Brakes

Parameter	Value
Position Service	Standard
Bluetooth And Car Phone	Standard

Phone Projection

Parameter	Value
HUAWEI HiCar	Standard
Carlink	-
Smartphone Connectivity / Mirroring (OEM system)	-

Wheels / Brakes

Parameter	Value
Car Networking	Standard

4G/5G

Parameter	Value
5G	Standard

Wheels / Brakes

Parameter	Value
OTA Upgrade	Standard
Facial Recognition	-
Fingerprint Recognition	-
Voiceprint Recognition	-
Emotion Recognition	-
Speech Recognition System	Standard
Voice Wake Up Free	Standard

Multi-zone Voice Wake-up Recognition

Parameter	Value
Four-zone	Standard
Single-zone	-

Wheels / Brakes

Parameter	Value
Voice Recognition	Standard
Visible To Say	-
Voice Wake Up Word	Hi BYD
Gesture Control System	-
Wi-Fi	Standard
Special Features	-
Multi Finger Screen Control	-
App Store	Standard

Media Ports

Parameter	Value
Multimedia Interface - SD card slot	Standard
USB/Type-C	Standard

USB/Type-CQuantity

Parameter	Value
USB/Type-CQuantity Front 2	Standard
USB/Type-CQuantity Rear 2	Standard

USB/Type-CMaximum Charging Power

Parameter	Value
USB/Type-CMaximum Charging Power Front 18W	Standard
Back USB Typec Max Charging Power - Rear row60W	Standard

Wheels / Brakes

Parameter	Value
Car Tv	-
Rear LCD Screen	-
Voice Simulate	-
Karaoke	Standard
Sound Brand	Dynaudio

Parameter	Value
Speaker	12

Amplifier Max Output Power Watt

Parameter	Value
775	-

Wheels / Brakes

Parameter	Value
Rear Touch Control System	-
Special Features	-
Low Headlamp Type	LED
High Headlamp Type	LED
Daytime Light	Standard
Adaptive Light	Standard
Auto Headlamp	Standard
Steer Assist Light	Standard
Front Fog Light	-
Headlamp Follow Up	-
Headlight Height Adjustment	Standard
Headlight Clean Function	-
Interior Light	Multicolor

Active Ambient Lighting

Parameter	Value
Active Ambient Lighting (Standard)	-

Wheels / Brakes

Parameter	Value
Light Special Function	-
Light Projection Technology	-
Headlamp Delay Off	Standard
Headlamp Rain Fog Mode	Standard
Special Features	-

Power Windows

Parameter	Value
Front Row	Standard
Rear Row	Standard

Wheels / Brakes

Parameter	Value
Window One Key Lift	All windows
Window Anti Clip Function	Standard

Exterior Mirror Functions

Parameter	Value
Power Adjustment	Standard
Heating	Standard
Power Folding	Standard
Memory	Standard
Auto Tilt-down in Reverse	Standard
Auto Folding on Lock	Standard

Rear Function

Parameter	Value
Auto-dimming	Standard

Vanity Mirrors

Parameter	Value
Driver Side with Lighting	Standard

Parameter	Value
Passenger Side with Lighting	Standard

Wheels / Brakes

Parameter	Value
Backside Privacy Glass	Standard
Window Sunshade	-
Rain Induction Wiper	Standard
Rear Wiper	-
Multilayer Soundproof Glass	Front row
Front Windshield Electric Heating	-
Heated Nozzle	-
Special Features	-
Air Control Model	Automatic
Rear Independent Air Conditioning	-
Rear Exhaust	Standard

Temperature Zone Control

Parameter	Value
Dual-zone Climate Control	Standard
Temperature Partition Control - Three-zone A/C	-

Wheels / Brakes

Parameter	Value
Car Purifier	Standard
PM2.5 Filtrating Equipment	Standard
Negative Ion Generator	Standard
Car Fragrance Device	-
AQS Air Quality Management System	-
Car Refrigerator	-

Onboard Refrigerator Functions

Parameter	Value
Heating	-
Refrigeration	-
Freezing	-

Assist Driving System DiPilot 100

Parameter	Value
DiPilot 100	-
DiPilot 300	-
DiPilot	Standard

Assist Driving NVIDIA DRIVE Orin N

Parameter	Value
NVIDIA DRIVE Orin N	-
NVIDIA DRIVE Orin X	-

Assist Driving (TOPS) 84

Parameter	Value
84	-
254	-

Intelligent System DiLink

Parameter	Value
DiLink	Standard

Intelligent D100

Parameter	Value
D100	-

System (GB)

Parameter	Value
Car System Memory	Standard
12	-

System (GB)

Parameter	Value
128	Standard
256	-

Mobile App Remote Control

Parameter	Value
AppRemote Control Key	Standard
Vehicle Monitoring	Standard
AppRemote Control Remote Control	Standard
AppRemote Control Charging	Standard
Service Appointment	Standard

Smart Features

Parameter	Value
Heat Pump Management System	Standard

Front Maximum (m) 350

Parameter	Value
160	Standard
350	-

Camera Quantity ()

Parameter	Value
Camera Count	-
Camera Count	Standard
11	-
12	-

Smart Features

Parameter	Value
Outer Camera Pixel	-

Camera Quantity ()

Parameter	Value
Incar Camera Count	-
Incar Camera Count	Standard

Smart Features

Parameter	Value
Inner Camera Pixel	-

Radar Quantity ()

Parameter	Value
Ultrasonic Radar	-
12	Standard

Radar Quantity ()

Parameter	Value
Millimeter Wave Radar	-
Millimeter Wave Radar	-
Millimeter Wave Radar	Standard

Smart Features

Parameter	Value
Laser Radar	-
High Precision Position System	-
High Precision Map	-
Sentinel Mode	-
V2X Communication	-
Special Features	-
User Custom Pkg	Optional exterior, interior, wheels and brakes

Optional Package

Parameter	Value
Optional Package	-
Optional Package	-

Smart Features

Parameter	Value
Special Features	-

Special Features

Parameter	Value
3D Holographic Transparent View System	Standard

Special Features

Parameter	Value
Brembo Racing-grade Matte Gray 4-piston Front Fixed Calipers	-

Special Features

Parameter	Value
DiPilot Intelligent Remote Driving	Standard

Special Features

Parameter	Value
DiSus-C Intelligent Damping Body Control System	-

Special Features

Parameter	Value
Holographic Transparent View System	-

Special Features

Parameter	Value
Mobile Power Station	Standard

Adaptive Rotating Floating Display

Parameter	Value
Adaptive Rotating Floating Display	Standard

Special Features

Parameter	Value
High-performance China Red 4-piston Front Fixed Calipers	Standard