

EBU AUTO

BYD Qin PLUS DM 2023 DM-i Champion Edition 120 km Beyond

2021-2026 BYD Qin PLUS DM-i | Plug-in Hybrid / DM-i PHEV | Compact Sedan

Item	Value
Official Guide Price	RMB 135,800
USD Reference Price	USD 19,971
Drive	FWD
Range	120
Battery	18.32
Motor Power	145(197Ps)
Transmission	E-CVTContinuously variable
Body	Unibody

Basic Information

Parameter	Value
Official Guide Price	13.58
Manufacturer	BYD
Segment	Compact car
Energy Type	Plug-in Hybrid
Launch Time	2023.02
Engine Description	1.5L 110 hp L4
MIIT Pure Electric Range (km)	101
NEDC Pure Electric Range (km)	120
WLTC Pure Electric Range (km)	101
CLTC Pure Electric Range (km)	-
MIIT Combined Range (km)	1245
CLTC Combined Range (km)	-
Charging Time	30 min 5.55 h
Fast Charging Window (%)	30-80
Engine Maximum Power (kW)	81(110Ps)
Motor Maximum Power (kW)	145(197Ps)
Engine Maximum Torque (N-m)	135
Motor Maximum Torque (N-m)	325
Transmission	E-CVTContinuously variable
Length x Width x Height (mm)	4765x1837x1495
Body Structure	45Sedan
Maximum Speed (km/h)	185
Official 0-100 km/h Acceleration (s)	7.3
NEDC Combined Fuel Consumption (L/100 km)	-
WLTC Combined Fuel Consumption (L/100 km)	1.58
Electricity Consumption (kWh/100 km)	14.5
Electric Energy Equivalent Fuel Consumption (L/100 km)	1.64
MIIT Fuel Consumption at Minimum State of Charge (L/100 km)	-

Parameter	Value
WLTC Fuel Consumption at Minimum State of Charge (L/100 km)	4.6
NEDC Fuel Consumption at Minimum State of Charge (L/100 km)	3.8
Vehicle Warranty	615
Estimated Maintenance Cost for 60,000 km	5803.0

Body

Parameter	Value
Length (mm)	4765
Width (mm)	1837
Height (mm)	1495
Wheelbase (mm)	2718
Front Track (mm)	1580
Rear Track (mm)	1590
Minimum Ground Clearance (mm)	-
Body Structure	Sedan
Number of Doors	4
Door Opening Method	Conventional hinged doors
Number of Seats	5
Curb Weight (kg)	1620
Gross Vehicle Weight (kg)	1995
Fuel Tank Capacity (L)	48.0
Trunk Capacity (L)	500
Minimum Turning Radius	5.5m

Engine

Parameter	Value
Engine Model	BYD472QA
Displacement (mL)	1498
Displacement (L)	1.5
Aspiration	Naturally aspirated
Engine Layout	Transverse
Cylinder Arrangement	L
Number of Cylinders	4
Valves per Cylinder	4
Compression Ratio	15.5
Valve Train	DOHC
Maximum Horsepower (Ps)	110
Maximum Power (kW)	81
Maximum Net Power (kW)	78
Maximum Power Speed (rpm)	6000
Maximum Torque (N-m)	135
Maximum Torque Speed (rpm)	4500
Engine Thermal Efficiency (%)	43.04

Parameter	Value
Engine Special Technology	-
Fuel Type	Plug-in Hybrid
Fuel Grade	92#
Fuel Supply System	Multi-point fuel injection
Cylinder Head Material	Aluminum alloy
Cylinder Block Material	Aluminum alloy
Emission Standard	VI

Electric Motor

Parameter	Value
Motor Description	Plug-in Hybrid 197 hp
Motor Type	Permanent magnet / synchronous
Total Motor Power (kW)	145
Total Motor Horsepower (Ps)	197
Total Motor Torque (N-m)	325
Front Motor Maximum Power (kW)	145
Front Motor Maximum Torque (N-m)	325
Number of Drive Motors	Single motor
Motor Layout	Front-mounted

Battery / Charging

Parameter	Value
Battery Type	LFP battery
Battery Technology	Blade battery
Battery Cell Brand	BYD
Battery Pack Warranty	()
Battery Capacity (kWh)	18.32
Battery Energy Density (Wh/kg)	-
Charging Rate	-
Battery Charging	30 min 5.55 h; •
Battery Charging Charging	30 min 5.55 h
Battery Charging	•
Maximum DC Charging Power (kW)	17
DC Charging Port Position	-
DC Charging Port Position (Right side fuel filler)	-
AC Charging Port Position	-
AC Charging Port Position (Right side fuel filler)	-
Battery Heating System	● Standard
Battery Cooling System	Liquid cooling
One-pedal Mode	-
VTOL Mobile Power Station	● Standard
VTOL Maximum External Discharge Power	3.3kW
VTOV Maximum External Discharge Power	-

Transmission

Parameter	Value
Transmission Description	E-CVTContinuously variable
Number of Gears	Continuously variable
Transmission Type	Continuously variable(E-CVT)

Chassis / Steering

Parameter	Value
Drive Type	FWD
Front Suspension Type	MacPherson independent suspension
Rear Suspension Type	Torsion beam non-independent suspension
Steering Type	Electric power steering
Vehicle Body Structure	Unibody

Wheels / Brakes & Features

Parameter	Value
Front Brake Type	Ventilated disc
Rear Brake Type	Disc
Parking Brake Type	Electronic parking
Front Tire Size	215/55 R17
Rear Tire Size	215/55 R17
Spare Tire Specification	-
Active Safety	-
ABS	● Standard
Brake Force Distribution (EBD/CBC)	● Standard
Brake Assist (EBA/BA)	● Standard
Traction Control (TCS/ASR)	● Standard
Electronic Stability System (ESP/DSC)	● Standard
Active Safety Warning System	-
System	-
System Front	-
System Rear	-
System	-
System DOW	-
System Front	-
System Front	-
Autonomous Emergency Braking	-
Blind Spot Assist	-
Lane Keeping Assist	-
Lane Centering	-
Driver Fatigue Warning	-
Active DMS Fatigue Detection	-
In-cabin Vital Signs Detection	-
Traffic Sign Recognition	-

Parameter	Value
Traffic Light Recognition	-
Night Vision System	-
Passive Safety	-
Front Airbags	• Driver seat; • Passenger seat
Front Airbag Driving	• Driver seat
Front Airbag Driving	• Passenger seat
Side Airbags	• Front row
Airbag Front	• Front row
Side Curtain Airbags	● Standard
Front Knee Airbag	-
Center Airbag	-
Seat Belt Reminder	● Standard
Tire Pressure Monitoring System	Tire pressure display
ISOFIX Child Seat Anchors	● Standard
Pedestrian Protection	-
Run-flat Tire	-
Assistance / Control Features	-
Parking Radar	•; •
Radar Front	•
Radar Rear	•
Lead Vehicle Departure Alert	-
Narrow Road Assist	-
Driving Assistance Camera View	• Reverse camera; • 360°Panoramic camera; •
Driving Assist Camera View Camera View	• Reverse camera
Driving Assist Camera View 360°Camera View	• 360°Panoramic camera
Driving Assist Camera View Camera View	•
Cruise System	• Cruise control
Cruise System Cruise	• Cruise control
Cruise System Cruise	-
Cruise System Cruise	-
Automatic Lane Change Assist	-
Automatic Ramp Exit / Entry	-
Navigation Assisted Driving	-
Assist Driving	-
Driving Assistance Level	-
Automatic Parking Assist	-
Reverse Track Assist	-
Memory Parking	-
Remote Valet Parking	-
Auto Hold	● Standard
Hill Start Assist	● Standard
Hill Descent Control	-
Engine Start / Stop	-

Parameter	Value
Adjustable Suspension	-
Air Suspension	-
Air Suspension Type	-
Electromagnetic Suspension	-
Variable Steering Ratio	-
Front Axle Differential Type	-
Rear Axle Differential Type	-
Center Differential Lock	-
Integrated Active Steering	-
Drive Mode Selection	•; •; • ECO; •
Driving	•
Driving	•
Driving ECO/	• ECO
Driving	•
Brake Energy Regeneration	● Standard
Comfort Brake	● Standard
Low-speed Acoustic Alert	● Standard
Exterior Features	-
Sunroof Type	Single sunroof
Intelligent Dimming Glass Roof	-
Roof Rails	-
Sport Appearance Package	-
Power Spoiler	-
Active Grille Shutter	-
Alloy Wheels	● Standard
Frameless Doors	-
Hidden Door Handles	-
Tow Hook	-
Interior Features	-
Steering Wheel Material	•
Steering Wheel Material	•
Steering Wheel Adjustment	+
Power Steering Wheel Adjustment	-
Steering Wheel Functions	•
Steering Wheel Function Function Control	•
Gear Selector Type	•
Gear Selector Type (Electronic column shifter)	-
Gear Selector Type (Electronic gear lever)	•
Instrument Cluster Style	Full LCD
Instrument Cluster Size (inch)	• 8.8
Size ()	-
Size () 8.8	• 8.8
Comfort / Anti-theft Features	-

Parameter	Value
Soft-close Doors	-
Power Tailgate	-
Hands-free Tailgate	-
Tailgate Position Memory	-
Engine Immobilizer	● Standard
Central Locking	● Standard
Remote Key Type	• Remote key; • Bluetooth key; • NFC/RFID key
Key Type Intelligent Key	• Remote key
Key Type Key	• Bluetooth key
Key Type NFC/RFIDKey	• NFC/RFID key
Keyless Entry	Front row
Keyless Start	● Standard
Remote Start	● Standard
Remote Vehicle Move	● Standard
Vehicle Summon Function	-
Head-up Display (HUD)	-
Built-in Driving Recorder	-
Factory ETC	-
Active Noise Cancellation	-
Wireless Phone Charging	● Standard
Maximum Wireless Charging Power (W)	15
Charging Maximum Power (W) 15	15
110V / 220V / 230V Power Outlet	-
Trunk 12V Power Outlet	-
Seat Features	-
Seat Material	Synthetic leather
Sport Seats	● Standard
Second-row Captain Seats	-
Power Seat Adjustment	• Driver seat
Seat Driving	• Driver seat
Seat Driving	-
Second-row Fold-flat Function	-
Driver Seat Overall Adjustment	•; •; •
Seat Front Rear	•
Seat	•
Seat	•
Driver Seat Partial Adjustment	-
Seat	-
Passenger Seat Overall Adjustment	•; •
Seat Front Rear	•
Seat	•
Passenger Seat Partial Adjustment	-
Seat	-

Parameter	Value
Second-row Seat Overall Adjustment	-
Second-row Seat Partial Adjustment	-
Front Seat Functions	-
Front Seat Function	-
Second-row Seat Functions	-
Boss Button	-
Front /Rear	• Front row; •
Front /Rear Front	• Front row
Front /Rear Rear	•
Rear	● Standard
/	-
Rear Seat	40:60
Second-row Tray Table	-
Intelligent	-
Size ()	12.8
Material	-
Material LCD	-
/	● Standard
System	● Standard
AR	-
Navigation Traffic Information Display	● Standard
Map	•
Map	-
Map	-
Map	•
Roadside Assistance Service	-
/	● Standard
Smartphone Connectivity / Mirroring	-
HUAWEI HiCar	-
Carlink	-
Connected Vehicle	● Standard
4G/5G	• 4G
4G/5G 4G	• 4G
4G/5G 5G	-
OTA	● Standard
Face Recognition	-
Fingerprint Recognition	-
Voiceprint Recognition	-
Emotion Recognition	-
Control System	● Standard
Function	-
Function	•
Function	-

Parameter	Value
Function	•
Continuous Voice Recognition	-
Visible-to-speak Function	-
Voice Assistant Wake-up Words	Hi, Di
Control Function	-
Wi-Fi	● Standard
Audio / Video Entertainment	-
Multi-finger Screen Transfer Control	-
App Store	● Standard
Multimedia Interface	• USB/Type-C
SD	-
USB/Type-C	• USB/Type-C
USB/Type-CQuantity	• Front row2; • 2
USB/Type-CQuantity Front 1	• Front row2
USB/Type-CQuantity Rear 2	• 2
USB/Type-CMaximum Charging Power	Front row10W; 10W
USB/Type-CMaximum Charging Power Front 15W	-
USB/Type-CMaximum Charging Power Rear 18W	-
USB/Type-CMaximum Charging Power Front 18W	-
USB/Type-CMaximum Charging Power Front 10W	Front row10W
USB/Type-CMaximum Charging Power Rear 10W	10W
In-car TV	-
Rear	-
Simulated Sound	-
KFunction	● Standard
Audio Brand	-
Quantity ()	8
Rear Control	-
Feature	-
Low Beam	LED
High Beam	LED
Daytime Running Lights	● Standard
Adaptive High / Low Beam	-
Automatic	● Standard
Assist	-
Front	-
(AFS)	-
Headlight Height Adjustment	● Standard
Function	-
Interior Ambient Lighting	-
Active Ambient Lighting	-
Function	-
Light Projection Technology	-

Parameter	Value
Headlight Delay-off	● Standard
Front	-
/Rear	-
Power Windows	• Front row; •
Front	• Front row
Rear	•
One-touch Window Operation	Full vehicle
Function	● Standard
Rear Function	• ; • ; • ; • Automatic
Rear Function	•
Rear Function	•
Rear Function	•
Rear Function Automatic	• Automatic
Rear Function	-
Interior Vanity Mirror	• Passenger seat+; • Driver seat+
Driving +	• Passenger seat+
Driving +	• Driver seat+
Rear	-
Interior Sunshade	-
Rain-sensing Wipers	-
Rear	-
Multi-layer Soundproof Glass	-
Front	-
Heated Washer Nozzles	-
/	-
Control	Automatic
Rear	-
Rear	● Standard
Control	•
Control	•
In-car Air Purifier	-
PM2.5	● Standard
Negative Ion Generator	-
Interior Fragrance System	-
AQSSystem	-
In-car Refrigerator	-
Function	-

Intelligent Features

Parameter	Value
Driving Assistance Operating System	-
Assist Driving System DiPilot 100	-
Assist Driving System DiPilot	-

Parameter	Value
Driving Assistance Chip	-
Assist Driving NVIDIA DRIVE Orin N	-
Driving Assistance Chip Computing Power (TOPS)	-
Assist Driving (TOPS) 84	-
In-vehicle Intelligent System	• DiLink
Intelligent System DiLink	• DiLink
In-vehicle Smart Chip	-
Intelligent D100	-
Infotainment System Memory (GB)	• 6
System (GB) 2	-
System (GB) 4	-
System (GB) 6	• 6
System (GB) 8	-
Infotainment System Storage (GB)	• 64
System (GB) 16	-
System (GB) 64	• 64
System (GB) 256	-
Mobile App Remote Control	•;•;•;•;•
AppRemote Control Key	•
AppRemote Control	•
AppRemote Control Remote Control	•
AppRemote Control Charging	•
AppRemote Control	•
Heat Pump Management System	-
Forward Maximum Detection Distance (m)	-
Front Maximum (m) 350	-
Exterior Camera Count	4
Exterior Camera Resolution	-
Interior Camera Resolution	-
Ultrasonic Radar Count	6
Millimeter-wave Radar Count	-
Sub-meter High-precision Positioning System	-
High-precision Map	-
Sentry Mode	-
V2X Communication	-
Optional Package	-
Custom Options	Optional exterior, interior, wheels and brakes
Special Features	-
Mobile Power Station Function	-
Mobile Power Station Function	-
Adaptive Rotating Floating Pad	-
Adaptive Rotating Floating Pad	-