

# EBU AUTO

## BYD Qin PLUS DM 2023 DM-i Champion Edition 120 km Leading

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

| Item                 | Value                      |
|----------------------|----------------------------|
| Official Guide Price | RMB 125,800                |
| USD Reference Price  | USD 18,500                 |
| Drive                | FWD                        |
| Range                | 120                        |
| Battery              | 18.32                      |
| Motor Power          | 145(197Ps)                 |
| Transmission         | E-CVTContinuously variable |
| Body                 | Unibody                    |

### Basic Information

| Parameter   | Value                      |
|---|----------------------------|
| Official Guide Price  | 12.58                      |
| 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                |
| Driving Assist Camera View Camera View     | • Reverse camera                |
| Driving Assist Camera View 360°Camera View | -                               |
| 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             | -   |
| Maximum Wireless Charging Power (W) | -   |
| Charging Maximum Power (W) 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               | -   |
| Seat Driving                        | -   |
| 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 ()                                | 10.1           |
| 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 ()                                | 6                 |
| 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                | •; •                              |
| Rear Function                | •                                 |
| Rear Function                | •                                 |
| Rear Function                | -                                 |
| Rear Function 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                          | 1  |
| Exterior Camera Resolution                     | -  |
| Interior Camera Resolution                     | -  |
| Ultrasonic Radar Count                         | 4  |
| 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                 | -  |