

# EBU AUTO

BYD Dolphin 2021 Freedom



## Basic Information

Parameter	Value
Official RMB Guide Price	RMB 112,800
Brand	BYD
Vehicle Class	Small Car
Energy Type	Pure Electric
Launch Time	2021.08
Electric Motor Description	Pure Electric, 95 Ps
MIIT Pure Electric Range (km)	405
CLTC Pure Electric Range (km)	-
Charging Time	DC Fast Charge: 30 min; AC Slow Charge: 6.41 h
Fast Charge Range (%)	30-80
Maximum Power (kW)	70(95Ps)
Maximum Torque (N·m)	180
Transmission Description	Single-speed EV Transmission
Length x Width x Height (mm)	4125x1770x1570
Body Style	5-door 5-seat Hatchback
Top Speed (km/h)	150
Official 0-50 km/h Acceleration (s)	3.9
Official 0-100 km/h Acceleration (s)	10.9
Power Consumption (kWh/100 km)	11
Energy-equivalent Fuel Consumption (L/100 km)	1.2
Vehicle Warranty	6 years or 150,000 km

Parameter	Value
Estimated 60,000 km Maintenance Cost	RMB 1,748

## Body

Parameter	Value
Length	4125
Width	1770
Height	1570
Wheelbase	2700
Front Track	1530
Rear Track	1530
Min Clearance	-
Body Style	Hatchback
Number of Doors	5
Door Type	Conventional Doors
Number of Seats	5
Curb Weight (kg)	1405
Gross Vehicle Weight (kg)	1780
Luggage Compartment Volume (L)	345-1310
Minimum Turning Radius (m)	5.25m

## Electric Motor

Parameter	Value
Electric Motor Description	Pure Electric, 95 Ps
Motor Type	Permanent Magnet / Synchronous
Total Motor Power (kW)	70
Front Motor Power (Ps)	95
Total Motor Torque (N·m)	180
Front Motor Maximum Power (kW)	70
Front Motor Maximum Torque (N·m)	180
Rear Motor Maximum Power (kW)	-
Number of Drive Motors	Single Motor
Motor Layout	Front-mounted

## Battery / Charging

Parameter	Value
Battery Type	Lithium Iron Phosphate (LFP) Battery
Battery Technology	Blade Battery

Parameter	Value
Battery Manufacturer	BYD
Battery Warranty	Lifetime Warranty for First Owner (subject to official terms)
Battery Capacity (kWh)	44.9
Battery Energy Density (Wh/kg)	140.0
Battery C-rate	-
Charging Support	DC Fast Charge: 30 min; AC Slow Charge: 6.41 h; DC Fast-charging Port
Charging Time	DC Fast Charge: 30 min; AC Slow Charge: 6.41 h
DC Fast-charging Port	DC Fast-charging Port
Maximum DC Fast-charging Power (kW)	-
DC Charging Port Position	-
DC Charging Port Position - Right Fender	-
AC Charging Port Position	-
AC Charging Port Position - Right Fender	-
Battery Thermal Management - Heating	Standard
Battery Thermal Management - Cooling	-
One-pedal Mode	-
VTOL External Discharge	Standard
Maximum External Discharge Power (kW)	2.2kW
V-to-V Maximum External Discharge Power (kW)	-

## Transmission

Parameter	Value
Transmission Description	Single-speed EV Transmission
Number of Gears	1
Transmission Type	Fixed-ratio Transmission

## Chassis / Steering

Parameter	Value
Drive Type	Front-mounted FWD
Front Suspension	MacPherson Independent Suspension
Rear Suspension	Torsion Beam Non-independent Suspension
Steering Assistance	Electric Power Steering
Body Construction	Unibody

## Wheels / Brakes

Parameter	Value
Front Brake Type	Ventilated Disc

Parameter	Value
Rear Brake Type	Solid Disc
Parking Brake Type	Electronic Parking Brake
Front Tire Size	195/60 R16
Rear Tire Size	195/60 R16
Spare Tire	-
Active Safety	-
ABS	Standard
Electronic Brakeforce Distribution	Standard
Brake Assist	Standard
Traction Control	Standard
Electronic Stability Control	Standard
Active Safety Warning Systems	-
Lane Departure Warning	-
Front Collision Warning	-
Rear Collision Warning	-
Rear Cross Traffic Alert	-
Door Opening Warning	-
Front Cross Traffic Alert	-
Front Cross Traffic Braking	-
Autonomous Emergency Braking	-
Lane Change Assist	-
Lane Keeping Assist	-
Lane Centering	-
Driver Fatigue Warning	-
Active Driver Monitoring	-
In-cabin Vital Sign Detection	-
Traffic Sign Recognition	-
Traffic Light Recognition	-
Night Vision	-
Passive Safety	-
Front Airbags	Driver Seat; Front Passenger Seat
Driver Airbag	Driver Seat
Front Passenger Airbag	Front Passenger Seat
Side Airbags	Front Row
Front Side Airbags	Front Row
Side Curtain Airbags	Standard
Front Knee Airbags	-
Front Center Airbag	-

Parameter	Value
Seat Belt Reminder	Standard
Tire Pressure Monitoring	Tire Pressure Warning
ISOFIX Child Seat Anchors	Standard
Passive Pedestrian Protection	-
Run-flat Tires	-
Driver Assistance / Controls	-
Parking Sensors	Rear
Front Parking Sensors	-
Rear Parking Sensors	Rear
Front Vehicle Departure Alert	-
Narrow Road Assist	-
Parking / Driving Camera	Reversing Camera; 360° Panoramic Camera
Reversing Camera	Reversing Camera
360° Panoramic Camera	360° Panoramic Camera
Transparent Chassis View	-
Cruise Control Systems	Cruise Control
Cruise Control	Cruise Control
Adaptive Cruise Control	-
Full-speed Adaptive Cruise Control	-
Automatic Lane Change Assist	-
Automatic Ramp Entry / Exit	-
Navigation-assisted Driving	-
Highway Navigation Assist	-
Driving Assistance Level	-
Automatic Parking	-
Track-back Reversing	-
Memory Parking	-
Automated Valet Parking	-
Auto Hold	Standard
Hill-start Assist	Standard
Hill Descent Control	-
Adjustable Suspension	-
Air Suspension	-
Air Suspension Type	-
Electromagnetic Suspension	-
Variable Steering Ratio	-
Front Axle Limited-slip Type	-
Rear Axle Limited-slip Type	-

Parameter	Value
Center Differential Lock	-
Integral Active Steering	-
Drive Modes	Sport; Snow; ECO
Sport Mode	Sport
Snow Mode	Snow
ECO Mode	ECO
Standard / Comfort Mode	-
Regenerative Braking	Standard
Comfort Braking	-
Low-speed Pedestrian Warning Sound	Standard
Exterior Features	-
Sunroof Type	-
Panoramic Roof Sunshade	-
Electrochromic Panoramic Roof	-
Roof Rails	-
Sport Appearance Package	-
Power Spoiler	-
Active Grille Shutters	-
Alloy Wheels	Standard
Frameless Doors	-
Hidden Door Handles	Standard
Tow Hook	-
Interior Features	-
Steering Wheel Material	Leather
Leather Steering Wheel	Leather
Plastic Steering Wheel	-
Steering Wheel Adjustment	Tilt Adjustment
Power Steering Wheel Adjustment	-
Steering Wheel Functions	Multifunction Controls
Multifunction Steering Wheel	Multifunction Controls
Gear Selector Type	-
Electronic Column Shifter	-
Electronic Rotary Selector	-
Instrument Cluster Type	Full LCD
Instrument Display Size (in)	5
5-inch Instrument Display	5
8.8-inch Instrument Display	-
Comfort / Anti-theft	-

Parameter	Value
Power Doors	-
Power Tailgate	-
Hands-free Tailgate	-
Power Tailgate Position Memory	-
Central Locking	Standard
Key Types	Smart Remote Key; NFC / RFID Key; Bluetooth Phone Key
Smart Remote Key	Smart Remote Key
NFC / RFID Key	NFC / RFID Key
Bluetooth Phone Key	Bluetooth Phone Key
Keyless Entry	Driver Seat
Keyless Start	Standard
Remote Start	Standard
Remote Vehicle Movement	Standard
Remote Summon	-
Head-up Display	-
Built-in Dashcam	-
Factory ETC	-
Active Noise Cancellation	-
Wireless Phone Charging	-
Maximum Wireless Charging Power (W)	-
15 W Wireless Charging	-
50 W Wireless Charging	-
Power Outlets	-
12 V Luggage Compartment Outlet	-
Seats	-
Seat Upholstery	Synthetic Leather
Sport Seats	-
Second-row Independent Seats	-
Power Seat Adjustment	-
Driver Seat Adjustment	-
Front Passenger Seat Adjustment	-
Foldable Third-row Seats	-
Driver Seat Overall Adjustment	Fore/aft Adjustment; Backrest Angle Adjustment; Height Adjustment
Driver Seat Fore/aft Adjustment	Fore/aft Adjustment
Driver Seat Backrest Adjustment	Backrest Angle Adjustment
Driver Seat Height Adjustment	Height Adjustment
Driver Seat Partial Adjustment	-
Driver Headrest Adjustment	-

Parameter	Value
Front Passenger Seat Overall Adjustment	Fore/aft Adjustment; Backrest Angle Adjustment
Front Passenger Seat Fore/aft Adjustment	Fore/aft Adjustment
Front Passenger Seat Backrest Adjustment	Backrest Angle Adjustment
Front Passenger Seat Partial Adjustment	-
Front Passenger Headrest Adjustment	-
Second-row Seat Controls	-
Second-row Seat Adjustment	-
Front Seat Functions	-
Front Seat Heating	-
Front Seat Ventilation	-
Rear Seat Functions	-
Rear Passenger-adjustable Front Passenger Seat	-
Center Armrests	Front Row
Front Center Armrest	Front Row
Rear Center Armrest	-
Rear Cup Holders	-
Heated / Cooled Cup Holder	-
Second-row Seat Folding	Entire Row Folds
Second-row Tray Table	-
Smart Connectivity	-
Center Display Size (in)	12.8
Center Display Type	-
Rotating Center Display	-
GPS Navigation	Standard
AR Navigation	-
Navigation System	Standard
Map Provider	-
Baidu Maps	-
Amap	-
Location Services	-
Bluetooth / Hands-free Calling	Standard
Phone Integration	-
Connected Car Services	Standard
Mobile Data Network	4G
4G Network	-
5G Network	4G
OTA Updates	Standard
Facial Recognition	-

Parameter	Value
Fingerprint Recognition	-
Voiceprint Recognition	-
Emotion Recognition	-
Voice Recognition System	Standard
Wake-word-free Voice Control	Standard
Voice Wake-up Zones	Single-zone
Front-row Voice Wake-up	-
Second-row Voice Wake-up	Single-zone
Voice Control Functions	-
Visible-to-speak	-
Voice Wake-up Phrase	Hi, Xiaodi
Gesture Control	-
Wi-Fi	Standard
Infotainment	-
Multi-finger Screen Gestures	-
App Store	Standard
Media Interfaces	USB / Type-C
SD Card Slot	-
USB / Type-C	USB / Type-C
USB / Type-C Port Count	Front: 2; Rear: 1
Front USB / Type-C Port Count	Front: 2
Rear USB / Type-C Port Count	Rear: 1
Maximum USB / Type-C Charging Power	Front: 10 W; Rear: 10 W
Front USB / Type-C Max Power - 60 W	-
Rear USB / Type-C Max Power - 18 W	-
Front USB / Type-C Max Power - 10 W	Front: 10 W
Rear USB / Type-C Max Power - 10 W	Rear: 10 W
In-car TV	-
Rear Display	-
External Sound Simulation	-
Audio Brand	-
Speaker Count	6
Rear Touch Control	-
Lighting	-
Low-beam Headlight Type	LED
High-beam Headlight Type	LED
Daytime Running Lights	Standard
Adaptive High / Low Beam	-

Parameter	Value
Automatic Headlights	Standard
Cornering Lights	-
Front Fog Lights	-
Steering-responsive Headlights	-
Headlight Height Adjustment	Standard
Headlight Washers	-
Interior Ambient Lighting	-
Active Ambient Lighting	-
Active Ambient Lighting - Standard	-
Special Lighting Functions	-
Light Projection Technology	-
Follow-me-home Headlights	Standard
Rain / Fog Headlight Mode	-
Glass / Mirrors	-
Power Windows	Front Row; Rear Row
Front Power Windows	Front Row
Rear Power Windows	Rear Row
One-touch Window Operation	Driver Seat
Anti-pinch Windows	Standard
Exterior Mirror Functions	Power Adjustment; Heating
Power-adjustable Exterior Mirrors	Power Adjustment
Heated Exterior Mirrors	Heating
Power-folding Exterior Mirrors	-
Auto-folding Mirrors on Lock	-
Interior Mirror Functions	-
Vanity Mirrors	Driver Vanity Mirror with Light; Front Passenger Vanity Mirror with Light
Driver Vanity Mirror with Light	Driver Vanity Mirror with Light
Front Passenger Vanity Mirror with Light	Front Passenger Vanity Mirror with Light
Rear Privacy Glass	-
Sunshades	-
Rain-sensing Wipers	-
Rear Wiper	-
Acoustic Laminated Glass	-
Heated Windshield	-
Heated Washer Nozzles	-
Climate Control / Refrigerator	-
Climate Control Type	Automatic
Independent Rear Climate Control	-

Parameter	Value
Rear Air Vents	-
Climate Zones	-
Air Purifier	-
PM2.5 Filter	Standard
Negative Ion Generator	-
In-car Fragrance System	-
AQS Air Quality Management	-
In-car Refrigerator	-
Refrigerator Functions	-
Refrigerator Heating	-
Refrigerator Cooling	-

## Smart Features

Parameter	Value
Driving Assistance System	-
DiPilot 100	-
DiPilot	-
Driving Assistance Chip	-
NVIDIA DRIVE Orin N	-
Driving Chip Computing Power (TOPS)	-
84 TOPS	-
In-vehicle Smart System	DiLink
DiLink	DiLink
Infotainment Chip	-
D100	-
System Memory (GB)	6
6 GB Memory	6
12 GB Memory	-
System Storage (GB)	64
64 GB Storage	64
256 GB Storage	-
Mobile App Remote Functions	Digital Key; Vehicle Monitoring; Remote Control; Charging Management; Service Appointment
Digital Key	Digital Key
Vehicle Monitoring	Vehicle Monitoring
Remote Control	Remote Control
Charging Management	Charging Management
Service Appointment	Service Appointment
Heat Pump System	Standard

Parameter	Value
Maximum Forward Detection Distance (m)	-
350 m Forward Detection	-
Exterior Camera Count	4
Exterior Camera Resolution	-
8 MP x 3 Exterior Cameras	-
Interior Camera Resolution	-
Ultrasonic Sensor Count	3
Millimeter-wave Radar Count	-
Sub-meter High-precision Positioning	-
High-definition Map	-
Sentry / Remote View Mode	-
V2X Communication	-
Optional Packages	-
Custom Options	Optional Exterior, Interior, Wheels and Brakes
500,000th Vehicle Commemorative Embroidery	-
500,000th Vehicle Commemorative Embroidery	-
500,000th Vehicle Commemorative Embroidery	-
500,000th Vehicle Commemorative Embroidery	-
Heatwave Crimson Exterior Package	-
Heatwave Crimson Exterior Package	-
Special Features	-
Manually Rotating Floating Screen	-
Manually Rotating Floating Screen	-
VTOL Mobile Power Station	Standard
VTOL Mobile Power Station	Standard
Adaptive Rotating Floating Screen	Standard
Adaptive Rotating Floating Screen	Standard