

Vehicle Detail Report

Yuan PLUS 2022 510KM Flagship

Basic Information

Brand	BYD
Mileage	41,000 km
Color	Silver-gray
First Registration	2023-05-01
Transfer Count	0

Vehicle Images





Vehicle Condition

1. Original metal panels and factory paint.

Configuration Information

Model Information

Model Name	Yuan PLUS 2022 510KM Flagship
Launch Date	2022.02

Basic parameters

Vehicle Class	Compact SUV
Energy Type	Battery Electric Vehicle (BEV)
Maximum Power (kW)	150
Maximum Torque (N·m)	310

Basic parameters (continued)

Body Type	SUV
Dimensions (L×W×H) (mm)	4455*1875*1615
Official 0-100 km/h Acceleration (s)	7.3
Top Speed (km/h)	160
Curb Weight (kg)	1690
Maximum Gross Weight (kg)	2065
Fast Charging Time (h)	0.5
Slow Charging Time (h)	8.64
Electric Motor (PS)	204
Fast Charging Range (%)	30-80
Electricity Consumption in Fuel Equivalent (L/100km)	1.41
CLTC Electric Range (km)	510

Electric Motor

Motor Type	Permanent magnet/synchronous
Total Electric Motor Power (kW)	150
Total Electric Motor Torque (N·m)	310
Front Electric Motor Max Power (kW)	150
Front Electric Motor Max Torque (N·m)	310
Number of drive motors	Single motor
Motor Layout	Front-end
Battery Type	Lithium iron phosphate battery
Battery Capacity (kWh)	60.48
Total Electric Motor Power (PS)	204
Battery Cell Brand	Fordy
Battery Cooling System	Direct cooling
Battery energy density (Wh/kg)	150

Electric Motor (continued)

Power consumption per 100 kilometers (kWh/100km)	12.5
Fast charging function	Support
Fast Charging Power (kW)	80

Screen/System

Central control color screen	<ul style="list-style-type: none">• Touch LCD screen
Infotainment Screen Size	<ul style="list-style-type: none">• 12.8 inches
Bluetooth/In-car Phone	<ul style="list-style-type: none">•
Voice recognition control system	<ul style="list-style-type: none">• Multimedia system;• Navigation;• Telephone;• Air conditioning;• Sunroof
In-vehicle intelligent system	<ul style="list-style-type: none">• DiLink
Rotating large screen	<ul style="list-style-type: none">•

Body

Length (mm)	4455
Width (mm)	1875
Height (mm)	1615
Wheelbase (mm)	2720
Front Track (mm)	1575
Rear Track (mm)	1580
Door Opening Type	swing door
Number of Doors	5
Number of Seats	5
Trunk volume (L)	-
Drag Coefficient (Cd)	-
Approach Angle (°)	19
Departure Angle (°)	24

Gearbox

Abbreviation	Electric vehicle single speed gearbox
Number of Gears	1
Transmission Type	Fixed Gear Ratio Transmission

Chassis steering

Drive Type	Front-engine, Front-wheel drive (FF)
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Chassis steering (continued)

Front Suspension Type	MacPherson independent suspension
Rear Suspension Type	Multi-link independent suspension
Power Steering Type	Electric power assistance
Vehicle structure	bearing type

Seat Configuration

Seat Material	<ul style="list-style-type: none">• Imitation leather
Main seat adjustment	<ul style="list-style-type: none">• Front and rear adjustment;• Backrest adjustment;• Height adjustment (2-way)
Co-seat adjustment method	<ul style="list-style-type: none">• Front and rear adjustment;• Backrest adjustment
Electric adjustment of driver's seat and passenger seat	Main/Deputy-
Front passenger seat rear adjustable buttons	-
Rear seat folding	<ul style="list-style-type: none">• Proportional down
Front/rear center armrest	Front •/Rear •
Rear cup holder	<ul style="list-style-type: none">•
Sports style seats	<ul style="list-style-type: none">•

Active safety

Anti-lock Braking System (ABS)	<ul style="list-style-type: none">•
Electronic Brakeforce Distribution (EBD/CBC)	<ul style="list-style-type: none">•
Brake Assist System (EBA/BAS/BA)	<ul style="list-style-type: none">•
Traction Control System (ASR/TCS/TRC)	<ul style="list-style-type: none">•
Electronic Stability Control (ESC/ESP/DSC)	<ul style="list-style-type: none">•
Tire Pressure Monitoring System (TPMS)	<ul style="list-style-type: none">• Tire pressure display
Seat Belt Reminder	<ul style="list-style-type: none">• Full car
ISOFIX Child Seat Anchors	<ul style="list-style-type: none">•
Lane Departure Warning System (LDWS)	<ul style="list-style-type: none">•
Autonomous Emergency Braking (AEB)	<ul style="list-style-type: none">•

Active safety (continued)

Driver Fatigue Detection	-
Forward Collision Warning (FCW)	•
Rear Collision Warning	•
Low Speed Alert	•
Built-in Dashcam	•
Door Opening Warning (DOW)	•

Air conditioning/refrigerator

Air conditioning temperature control method	• Automatic air conditioning
Rear Independent Climate Control	-
Rear seat air vents	•
Temperature zone control	-
Car air purifier	-
In-cabin PM2.5 Filter	-
Heat pump air conditioner	•

Passive safety

Driver/passenger airbag	Main •/Deputy •
Front/rear side airbags	Front •/Rear-
Front/rear head airbags (curtain airbags)	Front •/Rear •

Wheel brake

Front Brake Type	Ventilation disc
Rear Brake Type	Disc
Parking brake type	Electronic Parking
Front Tire Size	215/55 R18
Rear Tire Size	215/55 R18
Spare Tire Size	Tire repair tools

Audio/Interior Lighting

Number of speakers	• 8 speakers
Interior ambient lighting	• Multicolor

Driving functions

Navigation traffic information display	•
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Driving functions (continued)

Lane assist	<ul style="list-style-type: none">•
Lane Keeping Assist System	<ul style="list-style-type: none">•
Cruise control system	<ul style="list-style-type: none">• Full speed adaptive cruise
Satellite navigation system	<ul style="list-style-type: none">•
Driving assistance level	<ul style="list-style-type: none">• L2
Rear Cross Traffic Alert	<ul style="list-style-type: none">•
Lane centering	<ul style="list-style-type: none">•
Road traffic sign recognition	<ul style="list-style-type: none">•
Map Brand	<ul style="list-style-type: none">• Gaud
Remote Parking	<ul style="list-style-type: none">•
Parking Assist	-

Exterior lighting

Low beam light source	<ul style="list-style-type: none">• LED
High beam light source	<ul style="list-style-type: none">• LED
LED daytime running lights	<ul style="list-style-type: none">•
Adaptive high and low beam	<ul style="list-style-type: none">•
Automatic headlights	<ul style="list-style-type: none">•
Height-adjustable headlights	<ul style="list-style-type: none">•
Headlight Delay Off	<ul style="list-style-type: none">•

Exterior mirrors

Exterior mirror function	<ul style="list-style-type: none">• Electric adjustment;• Electric folding;• Rearview mirror heating;• Automatic folding when locked
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Appearance/anti-theft

Rim material	<ul style="list-style-type: none">• Aluminum alloy
Electric trunk	-
Central locking system in the car	<ul style="list-style-type: none">•
Key Type	<ul style="list-style-type: none">• Remote key;• Bluetooth key;• NFC/RFID key
Keyless start system	<ul style="list-style-type: none">•
Keyless entry function	<ul style="list-style-type: none">• Driving position

Appearance/anti-theft (continued)

Roof rack	•
Remote start function	•
Battery preheating	•
Discharge to the outside	•

Skylight/Glass

Sunroof Type	• Openable panoramic sunroof
Front/rear electric windows	Front •/Rear •
One-touch window lifting function	• Full car
Window anti-pinch function	•
Car makeup mirror	• Main driver's lamp; • co-pilot's lamp
Rear wiper	•

Interior and exterior color

Exterior Color	Climbing Gray: #A8A8A8; Surfing Blue: #287494; Parkour Red: #C92829; Skiing White: #FFFFFF; Adventure Green: #4A6C51
Interior Color	Speed Blue/Power Gray: #2B3A55/ #C4C5C1

Steering wheel/interior mirror

Steering Wheel Material	• Cortex
Steering wheel position adjustment	• Manual up and down front and rear adjustment
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	• Automatic anti-glare
Gear shifting	• Electronic gear shift

Intelligent configuration

Connected Car Services	•
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Intelligent configuration (continued)

OTA Updates	<ul style="list-style-type: none">•
4G/5G Network	<ul style="list-style-type: none">•4G
Mobile APP remote function	<ul style="list-style-type: none">• Door control;• Vehicle start-up;• Charging management;• Air conditioning control;• Vehicle status inquiry/diagnostics;• Vehicle location/vehicle finding;• Owner services (locating charging stations, gas stations, parking lots, etc.);• Appointment for maintenance/repair
Wi-Fi hotspots	<ul style="list-style-type: none">•

Driving Control

Driving mode switch	<ul style="list-style-type: none">• Sport;• Economy;• Standard/Comfort;• Snow
Automatic parking	<ul style="list-style-type: none">•
Steep slope descent	<ul style="list-style-type: none">•
Hill start assist	<ul style="list-style-type: none">•
Energy recovery system	<ul style="list-style-type: none">•

Driving Hardware

Front/rear parking radar	Front •/Rear •
Driving Assistance Camera System	<ul style="list-style-type: none">• 360-degree panoramic image
Number of cameras	<ul style="list-style-type: none">• 5
Number of ultrasonic radars	<ul style="list-style-type: none">• 6
Transparent chassis/540-degree imaging	<ul style="list-style-type: none">•
Millimeter wave radar quantity	<ul style="list-style-type: none">• 3

In-car charging

Multimedia/charging port	<ul style="list-style-type: none">•USB;•SD
Number of USB/Type-C ports	<ul style="list-style-type: none">• 2 in the front row/2 in the back row
Mobile phone wireless charging function	<ul style="list-style-type: none">• Front row

"●" = Standard equipment

"□" = Not available

"○" = Optional equipment.

Note: These are Chinese market vehicles. Warranty coverage is not available outside of China.