

Yuanhe Unique New Energy

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23 DM-p 1.5T 200km four-wheel drive
Ares version

Basic Information

Level	Medium and large cars
Energy type	plug-in hybrid
Environmental protection standards	National VI
time to market	2023/5/18
CLTC pure electric range [km]	-
WLTC pure electric range [km]	170
NEDC pure electric range [km]	200
Fast charging time[h]	0.47
Fast charging capacity [%]	-
Slow charging time[h]	5.14
engine	1.5T 139 horsepower L4
Maximum power/maximum torque	102kW/231N·m
Motor[Ps]	490
gearbox	Electronic continuously variable transmission (E-CVT)
Length*width*height[mm]	4975*1910*1495
Body structure	4-door, 5-seat sedan
Maximum speed [km/h]	185
Official 0-100km/h acceleration [s]	3.7
WLTC comprehensive fuel consumption [L/100km]	0.62
Fuel consumption in low power state [L/100km]	6.2
Vehicle warranty	6 years or 150,000 kilometers
Exterior color	
interior color	
Body	
Length[mm]	4975
Width[mm]	1910
Height[mm]	1495
Wheelbase [mm]	2920
Front wheelbase [mm]	1640
Rear wheelbase [mm]	1640
Car door opening method	swing door
Number of doors	4
number of seats	5
Approach angle [°]	13
Departure angle [°]	14
Minimum turning radius [m]	6.15
Drag coefficient [Cd]	-
Fuel tank volume [L]	50
Official trunk volume [L]	470
Curb weight [kg]	2200
Full load mass [kg]	2575

engine

engine

engine model	BYD476ZQC
Displacement [mL]	1497
Displacement[L]	1.5
Intake form	turbocharging
Engine layout	horizontal
Cylinder arrangement	L
Number of cylinders [number]	4
Number of valves per cylinder [number]	4
Air Supply	DOHC
Maximum power [kW]	102
Maximum horsepower[Ps]	139
Maximum torque [N·m]	231
Maximum net power [kW]	96
fuel mark	No. 92
Fuel supply method	direct injection
Cylinder head material	Aluminum alloy
Cylinder material	Aluminum alloy
Environmental protection standards	National VI

electric motor

Number of drive motors	Dual motor
Motor layout	Front + rear
Motor type	Permanent magnet synchronization
Total motor power [kW]	360
Total motor horsepower [Ps]	490
Motor total torque [N·m]	675
Maximum power of front electric motor [kW]	160
Maximum torque of front electric motor [N·m]	325
Maximum power of rear electric motor [kW]	200
Maximum torque of rear electric motor [N·m]	350

Battery/recharge

Battery Type	Lithium iron phosphate battery
Battery brand	Ferdy
Battery temperature management	<ul style="list-style-type: none">• Low temperature heating• Liquid cooling
CLTC pure electric range [km]	-
WLTC pure electric range [km]	170
NEDC pure electric range [km]	200
Battery power [kWh]	36.01
Battery energy density [Wh/kg]	-
Electricity consumption per 100 kilometers [kWh/100km]	twenty two
vehicle charging port	<ul style="list-style-type: none">• Slow charging port• Quick charging port

Slow charging port location	<ul style="list-style-type: none"> • Right rear side of car
Fast charging port location	<ul style="list-style-type: none"> • Right rear side of car
Fast charging power [kW]	75
Fast charging time[min]	28
Fast charging time[h]	0.47
Fast charging capacity [%]	-
Slow charging time[h]	5.14
Vehicle battery swap	-
Home charging pile	-
Car charging gun	-
External discharge function	<ul style="list-style-type: none"> •
External discharge power	<ul style="list-style-type: none"> • 6kW
Battery pack warranty	8 years or 150,000 kilometers
First owner battery pack warranty	Unlimited years/unlimited mileage (the liability exemption clause shall be subject to the official)
gearbox	
Gearbox description	E-CVT continuously variable transmission
Gearbox type	Electronic continuously variable transmission (E-CVT)
Number of gears	-
chassis steering	
Drive form	Front four-wheel drive
four-wheel drive	Electric four-wheel drive
Center differential structure	-
Front suspension type	MacPherson independent suspension
rear suspension type	Multi-link independent suspension
Assist type	electric assist
Adjustable suspension features	<ul style="list-style-type: none"> • Soft and hard adjustment
Adjustable suspension types	-
Body structure	Load-bearing
limited slip differential	-
differential lock	-
wheel brake	
Front brake type	<ul style="list-style-type: none"> • Ventilated disc type
rear brake type	<ul style="list-style-type: none"> • Solid disc type
Parking brake type	Electronic parking
Front tire specifications	<ul style="list-style-type: none"> • 245/45 R19
Rear tire specifications	<ul style="list-style-type: none"> • 245/45 R19
Spare tire	<ul style="list-style-type: none"> • No spare tire
Spare tire placement	-
active safety	
ABS anti-lock	<ul style="list-style-type: none"> •
Braking force distribution (EBD/CBC, etc.)	<ul style="list-style-type: none"> •
Brake assist (BA/EBA/BAS, etc.)	<ul style="list-style-type: none"> •
Traction control (ASR/TCS/TRC, etc.)	<ul style="list-style-type: none"> •

Body stability control (ESP/DSC/VSC, etc.)	•
Seat belt not fastened reminder	• The whole car
Tire pressure monitoring	• Tire pressure display
In-car biometric monitoring	-
passive safety	
Main driver airbag	•
Passenger airbag	•
First row side airbag	•
Second row side airbags	•
side curtain airbags	•
knee air bag	• Main driver
Passenger seat cushion airbag	-
Rear seat belt airbag	-
Rear seat anti-skid airbags	-
center airbag	-
Second row forward airbags	-
child seat interface	•
passive pedestrian protection	•
Run-flat tires	-
Auxiliary/control configuration	
front parking radar	•
Rear parking radar	•
Reverse side warning system	•
Door opening collision warning	•
Driving assistance images	• 360-degree panoramic image
Chassis perspective	•
cruise system	• Full-speed adaptive cruise
Driving mode selection	• Sports
	• Economy
	• Standard/Comfortable
	• Snow
Fatigue reminder	•
automatic parking	-
remote control parking	•
remote summoning	-
Engine start and stop	-
automatic parking	•
Hill assist	•
steep descent	-
night vision system	-
variable steering ratio	-
Integral active steering system	-
Wading sensing system	-
Assisted driving functions	
Parallel assistance (BSM/BSD)	•
Lane Departure Warning (LDWS)	•
Lane Keeping (LKAS)	•
Lane centering	•

Road traffic sign recognition	•
forward collision warning	•
rear collision warning	•
Active braking	•
Automatic lane change assist	•
Automatic ramp exit/entry	-
Reverse tracking	-
Assisted driving hardware	
Driving assistance level	• L2
Assisted driving system	• DiPilot
millimeter wave radar	• 5
ultrasonic radar	• Front 4/Last 4
Front sensing camera type	• monocular
Environment aware camera	• 1
surround camera	• 4
car camera	• 1
External configuration	
Skylight type	• The panoramic sunroof can be opened
Light-sensing awning	-
Sport appearance package	•
Electric spoiler	-
Rim material	• Aluminum alloy
Electric suction door	-
Automatic opening and closing of car doors	-
Frameless door	-
sliding door	-
roof rack	-
Key type	• Remote key
	• Bluetooth key
	• NFC/RFID key
Keyless start	•
keyless entry	• First row
Hidden electric door handle	•
Active closing air intake grille	-
Electric tailgate	•
Tailgate position memory	-
Induction tailgate	-
Tailgate glass opens independently	-
car side pedals	-
Low speed driving warning sound	•
Sentinel (clairvoyance) mode	-
Internal configuration	
Steering wheel material	• Genuine leather
steering wheel adjustment	• Manual up and down + front and rear adjustment
Shift pattern	Electronic gear shift
Multifunction steering wheel	•

steering wheel gear shift	-
Steering wheel heating	•
Trip computer display	• Color
Full LCD instrument panel	•
Instrument screen size [inches]	• 12.3
Instrument screen material	• LCD
HUD heads up display	•
Built-in driving recorder	•
Mobile phone wireless charging	• First row
ETC device	-
Active noise reduction	-
Electrically adjustable pedals	-
Single pedal mode	-
Seat configuration	
seat material	• Leather/fleece material mix and match
Sports style seats	•
Electric driver's seat adjustment	• Electric adjustment with memory
Passenger seat electric adjustment	• Electric adjustment
Driver's seat adjustment method	• Front and back adjustment
	• Backrest adjustment
	• Height adjustment (4-way)
	• Waist adjustment (4-way)
Passenger seat adjustment method	• Front and back adjustment
	• Backrest adjustment
	• Height adjustment (2-way)
	• Waist adjustment (4-way)
First row seat functions	• Heating
	• Ventilation
Boss button	•
Electrically adjustable second row seats	-
Second row seat adjustment method	-
Second row seat functions	-
center armrest	• First row
	• Second row
Seat layout	• 2+3
Rear seat folding method	-
Electrically reclining rear seats	-
Rear cup holder	• Second row
Heated/cooled cup holder	-
Rear folding table	-
Car/Internet	
Central control color screen	• Touch LCD screen
Central control screen size [inch]	• 15.6
Central control screen material	• LCD
Central control screen resolution [px]	• 1920 x 1080

Central control screen refresh rate [Hz]	<ul style="list-style-type: none"> • 90
Passenger screen	-
Vehicle system	DiLink
Vehicle system memory [GB]	<ul style="list-style-type: none"> • 8
Vehicle system storage [GB]	<ul style="list-style-type: none"> • 128
Vehicle-to-machine network	<ul style="list-style-type: none"> • 5G
OTA upgrade	<ul style="list-style-type: none"> • Vehicle OTA
Car WiFi function	<ul style="list-style-type: none"> • WiFi connection
	<ul style="list-style-type: none"> • WiFi hotspot
Car navigation map	<ul style="list-style-type: none"> • Gaode
V2X communication	-
roadside assistance call	<ul style="list-style-type: none"> •
Bluetooth/car phone	<ul style="list-style-type: none"> •
Mobile phone interconnection/mapping	<ul style="list-style-type: none"> • Support HiCar
Voice assistant wake word	<ul style="list-style-type: none"> • Hello, Xiaodi
Voice zone wake-up	<ul style="list-style-type: none"> • First row
	<ul style="list-style-type: none"> • Second row
Voice wake-up-free	<ul style="list-style-type: none"> •
Speech continuous recognition	<ul style="list-style-type: none"> •
Voice recognition control function	<ul style="list-style-type: none"> • Multimedia system
	<ul style="list-style-type: none"> • Navigation
	<ul style="list-style-type: none"> • Telephone
	<ul style="list-style-type: none"> • Air conditioning
gesture control	-
face recognition	-
Remote control function	<ul style="list-style-type: none"> • Door control
	<ul style="list-style-type: none"> • Vehicle starts
	<ul style="list-style-type: none"> • Air conditioning control
	<ul style="list-style-type: none"> • Charging management
	<ul style="list-style-type: none"> • Vehicle condition inquiry/diagnosis
	<ul style="list-style-type: none"> • Vehicle positioning/car search
Media entertainment	
Split screen function	<ul style="list-style-type: none"> •
Car APP application market	<ul style="list-style-type: none"> •
Car CD/DVD	-
Multimedia/charging interface	<ul style="list-style-type: none"> • USB
	<ul style="list-style-type: none"> • SD
Number of USB/Type-C interfaces	<ul style="list-style-type: none"> • 4 people in the front row/2 people in the back row
In-car entertainment functions	<ul style="list-style-type: none"> • Karaoke
simulated sound	-
Rear seat control multimedia	-
Cockpit 220V/230V power supply	<ul style="list-style-type: none"> • 220V
Luggage compartment power interface	-
audio brand	<ul style="list-style-type: none"> • Dynaudio

Number of speakers	• 12
Light function	
Low beam light source	• LED
high beam light source	• LED
Lighting features	• Matrix
LED daytime running lights	•
Headlight function	• Height adjustment
	• Automatic opening and closing
	• Adaptive high and low beam
	• Delayed shutdown
Turn assist light	•
Front fog lights	-
Headlight cleaning device	-
Car interior ambient light	• Multicolor
glass/rear view mirror	
First row electric windows	•
Second row electric windows	•
One-click lifting and lowering of windows	• The whole car
Window anti-pinch function	• The whole car
Multilayer soundproof glass	• First row
Exterior rearview mirror function	• Electric adjustment
	• Heated rearview mirrors
	• Electric folding
	• Rearview mirror memory
	• Automatically roll down when reversing
	• Automatic folding when locking the car
Interior rearview mirror function	• Automatic anti-dazzle
Rear side privacy glass	•
Rear side sunshades	-
Rear windshield sunshade	-
Car vanity mirror	• Main driving + lighting
	• Co-pilot + lighting
Sensing wiper function rear wiper	• Rain sensor type
Heated water nozzle	-
Air conditioning/refrigeration	
First row air conditioner	• Dual temperature zone automatic air conditioning
Second row air conditioner	• Single temperature zone automatic air conditioning
Third row air conditioner	-
heat pump air conditioner	•
air quality monitoring	-
In-car PM2.5 filter device	•
Car air purifier	•
negative ion generator	•

Fragrance system	-
car refrigerator	-
Featured configuration	
High-performance Chinese red four-piston fixed vise (front)	-
Brembo racing grade matte gray four-piston fixed caliper (front)	-
High-performance stone green four-piston fixed vise (front)	-
Mobile power station	-
Optional package	
DiSus-C intelligent electronically controlled active suspension	-
	DiSus-C intelligent electronically controlled active suspension
Warranty Policy	-
	The lifetime warranty policy of the three-electric system must meet the needs of non-commercial vehicles (first owners), and the total mileage of the vehicle every 12 months from the date of purchase invoice does not exceed 30,000 kilometers.
Smart upgrade package	-
	DiLink3.0 upgraded version, electric tailgate