



G6

Product Communication Manual

XPENG

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SEPA 2.0 "Fuyao"

Full-featured Intelligent Evolution Architecture

Redefining the standard of high-end intelligent electric vehicles

Bringing users a safer, more comfortable, more energy-efficient and ultimate driving and riding experience

FASTER CHARGING, GREATER RANGE

Standard equipped with the 800V full-featured high-voltage SiC platform

CONTINUOUS EVOLUTION, INTELLIGENT EXPERIENCE

X-EEA electronic electrical architecture + Xmart OS

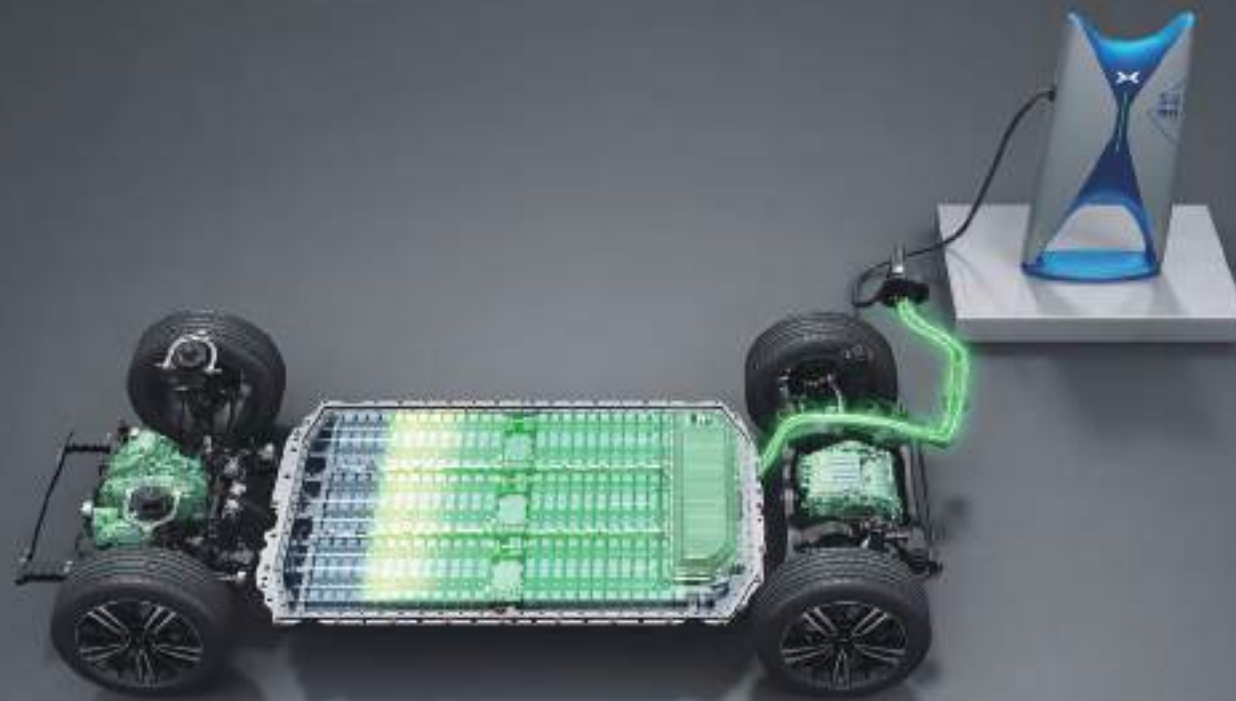
COMPREHENSIVE ENHANCEMENT, DRIVING AND RIDING EXPERIENCE

Front and Rear Unibody Aluminum Die-Casting Technology + CIB Battery Body Integration Technology

Note: Unless otherwise specified, the data in this section is sourced from XPENG Labs, provided for reference only. Actual performance may vary depending on specific configurations, vehicle conditions, and other factors. Actual usage shall prevail

Charging 5 Minutes Extends Range by 120 km¹

FULL-FEATURED 800V,
STANDARD 3C BATTERY CELL COMPATIBLE WITH 4C BATTERY CELL



It is the first mass-produced 800V high-voltage SiC platform in China, realizing full-featured 800V for all high-voltage components of the whole vehicle, including power battery, electric drive, power supply, compressor, and so on

Maximum increase in charging power
compared to 400V platforms

80%

Compatible with 4C battery cells,
charging 5 minutes to increase
the maximum range

120km

Note1: The data is sourced from XPENG Labs and represents the range achieved under WLTP conditions during testing with XPENG S4 ultra-fast charger, specifically designed for vehicles equipped with 4C battery cells. Actual performance may vary

Intelligent Experience at Full Speed

X-EEA ELECTRONIC ELECTRICAL ARCHITECTURE

The intelligent domain control architecture performance has been completely improved, allowing the vehicle to respond to user commands as quickly as a smartphone while also allowing for rapid feature iteration and upgrade

XPENG Motors has independently developed a comprehensive vehicle electronic electrical architecture, providing products with a fully intelligent experience while significantly increasing speed

High performance with faster data transfer

Centralized supercomputing + domain control, communication speed up to 1,000Mbps

High security

Intelligent platform and vehicle control platform partition, financial level information security

Integration of client and cloud, improved R&D efficiency

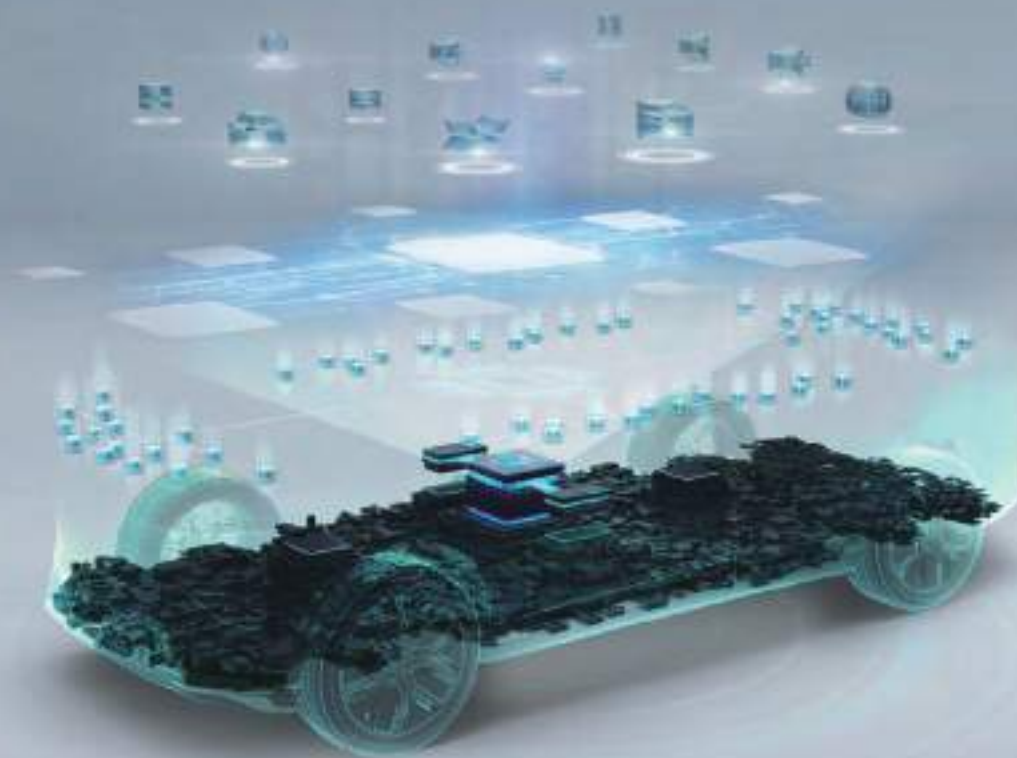
Standardized data interface, data information linking the whole chain of production, research and after-sales service

OTA rate increase

300%

Intelligent experience iteration cycle shortened

30%



Leading the Way in Intelligent Cockpit Advancement

SMART OS IN-VEHICLE INTELLIGENT SYSTEM

The Xmart OS intelligent cockpit system has a "GPT"-like brain that includes full-featured perception, intelligent decision-making, and fine control to achieve a more "human-like" emotional interaction, providing users with more convenient voice interaction, more free scene customization, and more intimate driving assistance

Full-featured Perception

In-vehicle status, outside environment, vehicle condition

Intelligent Decision-making

AI brain and big model algorithms with superb computing power

Emotional Interaction

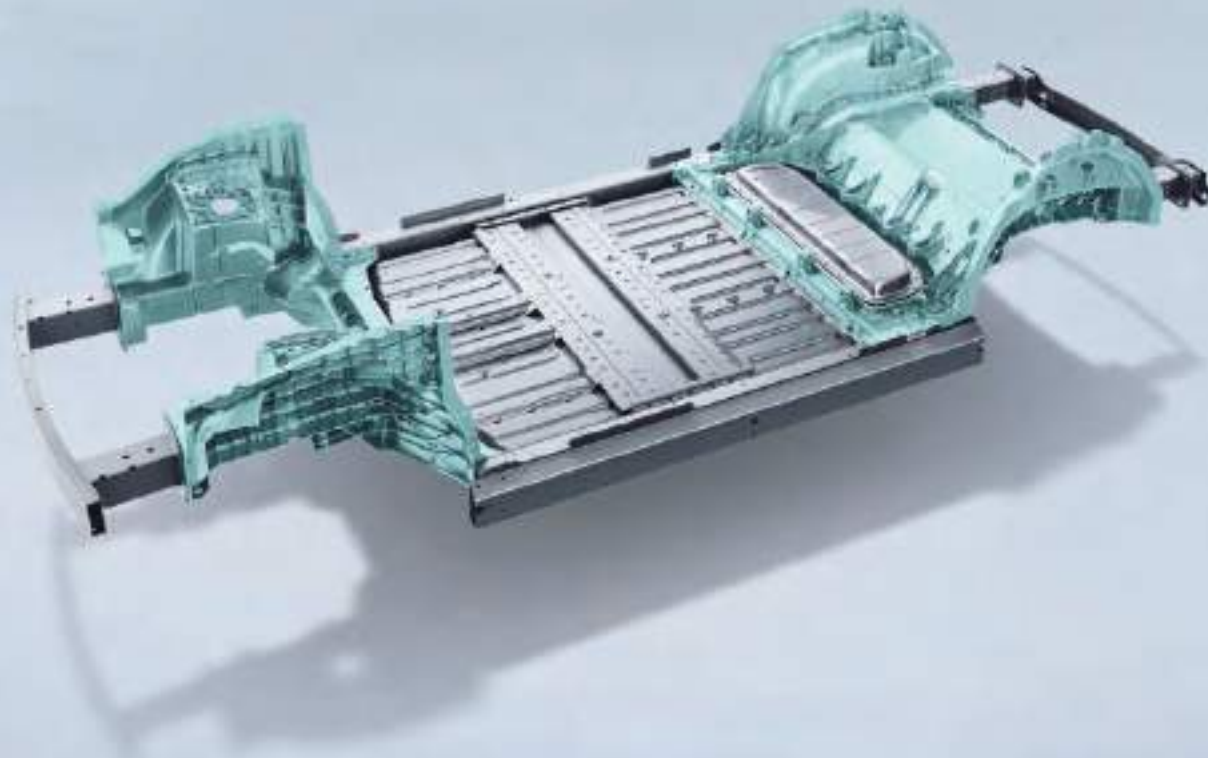
100km electricity consumption



Ultra-high Strength, Significantly Enhancing Both Handling and Safety

FRONT AND REAR UNIBODY ALUMINUM DIE-CAST BODY

With higher integration and stability in a single die-cast molding. The maximum die-casting force of 12,000 tons results in a novel and unique body structure
Higher body integration improves lightweighting, while higher torsional rigidity increases body stability and greatly improves handling



Body torsional stiffness

42000N·m/deg

Torsional stiffness increase

83%

Number of integrated parts

161

Body weight reduction ratio

17%



Electric performance & Safety

Excellent performance and protection

/ 15 Energy efficiency
/ 27 Performance
/ 51 Safety

Energy Efficiency

RANGE

Long range, low energy consumption, worry-free even on long journeys
It's easy to get to the faraway places you want to go

Long range

570km

100km electricity consumption

17.5kWh

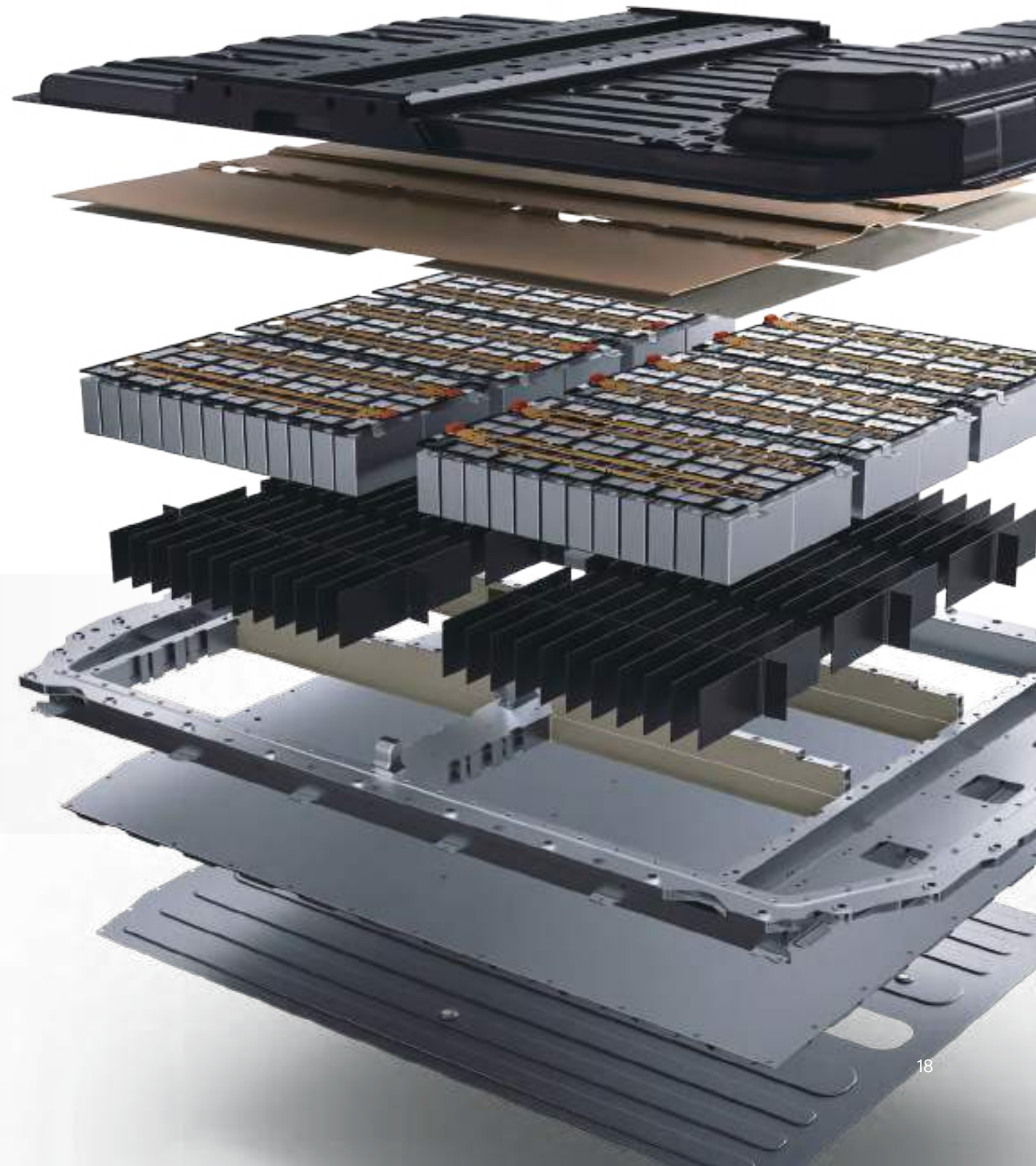
With 87.5kWh high-capacity battery, it has a maximum range of 570km
The X-HP 3.0 thermal management system improves energy conversion efficiency and adjusts charging and discharging strategies in a timely manner for varied scenarios and working conditions, ensuring that the battery is always in the ideal efficacy zone

Note : Under WLTP conditions

Solid Long Range

Long Range, Low Energy Consumption

- Equipped with a high-capacity battery pack, available in three different range versions, with the highest range up to 570km (WLTP conditions)
- Energy consumption is only 17.5 kWh per hundred kilometers, (WLTP conditions) comprehensively surpassing the performance of other models in its class



Item	Standard Range 2WD	Long Range 2WD	Long Range 4WD
Battery capacity (kWh)	66	87.5	87.5
Range under WLTP conditions (km)	435	570	550
Electricity consumption under WLTP conditions (kWh/100km)	17.5	17.5	17.9

Optimizing efficiency significantly extends the range

X-HP 3.0 INTELLIGENT THERMAL MANAGEMENT SYSTEM

A highly integrated heat management module of smaller size and lower complexity makes the motor and battery pack to achieve higher efficiency, longer range, and more stable operating conditions during operation;

It covers more comprehensive practical scenarios compared to other models in the same class.

15% increased for range in winter

With the intelligent heat management system, the battery pack can operate within a wide range of temperature, ensuring normal and stable operation both in cold cities in the north and hot cities in the south.

- G6 can operate normally and safely within the temperature range of -30°C to 55°C . The system will control the battery to maintain the optimal temperature range according to the requirements of the power system
- Guarantee thermal safety for system, reduce charging time at low temperature and improve range

100% increased for heating rate

- With heat pump air-conditioner, eliminate traditional PTC heating and reduce energy consumption at low temperature
- Increase heating rate in the cockpit, 2 times that of traditional PTC and improve comfort in the cockpit

7% increased for efficiency of electric drive system

The first self-developed 800V SiC oil-cooled flat wire deeply-integrated electric drive and several advanced technologies in the industry improve the efficiency of the electric drive system comprehensively.

- Non-destructive installation of permanent magnet for motor rotor
- SiC power module
- Active oil cooling technology
- 8-layer flat wire winding technology for motor stator

Improve the overall efficiency of the motor and electric drive system

SIC POST MOTOR

Adopting silicon carbide power chip, the working efficiency is greatly improved, the maximum current capacity under the same volume is increased by more than 30%, and the comprehensive loss of the electronic control system is reduced by 4%-6%

Motor efficiency

> 98%

Overall efficiency of the electric drive system

> 92%

Power density

2.6kW/kg





CHARGING

Ultimate efficiency in charging, eliminating range anxiety

We have developed a high-voltage, high-current charging solution for G6 that greatly improves its charging and energy replenishment efficiency. This is achieved by using advanced technologies such as 800V high-voltage architecture and 3C battery cells. This allows users to obtain the highest battery capacity in the shortest feasible period

Charging power
280kW

Range extended with a 10-minute charging
230 km

Enjoy Fast Charging Whenever You Want

EFFICIENT SUPER-FAST CHARGING

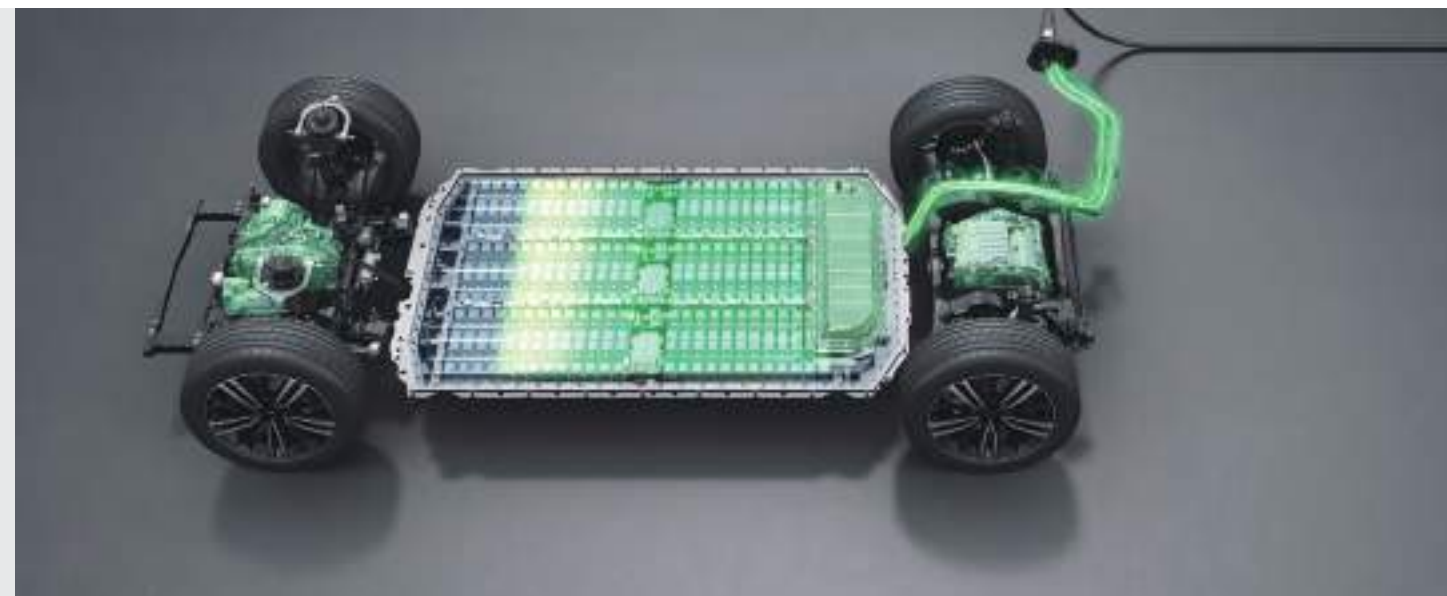
With higher efficiency, charging 10 minutes, extends the range by 230km

- Supports 280kW super-fast charging, extending up to 230km of range in 10-minute charging; charging from 10% to 80% only takes 20 minutes

Item	Standard Range 2WD	Long Range 2WD	Long Range 4WD
Maximum charging power (kW)	215	280	280
10%-80% SOC charging time (min)		20	

Charging speed at regular charger is increased by 50%

- Because of the 800V architecture's capabilities, you can charge up to 50% faster than anyone else, even when using a regular third-party social charger



Performance



POWER PERFORMANCE

4.1s 0-100km acceleration,
comparable to a fuel supercar.



The high-performance powertrain, based on the world's first 800V architecture, has many benefits far beyond its class, including "strong power, high efficiency, comfort, safety and multi-functionality"

0-100km
acceleration

4.1s

Maximum speed
for 30 minutes

180 km/h

Continuous acceleration
(full power operation)

> 30s



Amazingly Fast Acceleration Experience

800V XPOWER ELECTRIC DRIVE SYSTEM

Strong power, fast acceleration, easier overtaking

- Maximum power of 350kw, maximum torque of 660N·m, quickly detonated to the maximum power output in 0.15s, 0-100km acceleration in just 4.1s, practically the same as the fuel supercar performance (such as Porsche 911, AMG GT)

Highly integrated, low weight, improved space utilization and range

- Rear motor power density of 2.6kW/kg, industry-leading, identical to Model Y
- Lighter mass, full-stack self-development of electric drive system and deep integration of "three-in-one" design, the size of a cake box, the front motor 1kg lighter than the Model Y
- Improved heat dissipation by utilizing industry-leading oil cooling, flat wire winding, 800V high voltage, silicon carbide and a variety of other technologies

Item	Standard Range 2WD	Long Range 2WD	Long Range 4WD
Maximum total power (kW)	190	210	350
Maximum total torque (N·m)	440		660
Maximum speed (km/h)		200	
Maximum speed for 30 minutes (km/h)		180	
0-100km acceleration (s)	6.9	6.7	4.1
Overall efficiency of electric drive system under WLTP conditions (%)		>92%	

Higher efficiency and improved range capabilities

Under WLTP conditions, the electric drive system demonstrates an overall efficiency of **92%** and achieves a maximum efficiency of **95%**, which is at the forefront of the industry

Thanks to the application of multiple advanced technologies, for every 1% increase in efficiency of the electric drive system, the range extends by approximately 1.42 kilometers, while energy consumption decreases by about 0.3 kWh/100km



Higher safety and durability for peace of mind in use

- High insulation level, withstanding voltage of 3000V, strict testing criteria, product insulation life exceeding the service life of the entire vehicle
- Advanced technology production and 100% testing of critical components to improve product quality
- Health status cloud diagnosis, obtaining the vehicle performance parameters through big data, identifying potential risks in advance

On-demand Adjustment, Full Scene Adaptation

INTELLIGENT 4WD TORQUE DISTRIBUTION SYSTEM



Under various driving environments, it intelligently judges driving intentions based on the level of the driver's push on the accelerator pedal, precisely controlling torque distribution across the four wheels and achieving optimal power distribution while keeping economy in mind

Fast switching in milliseconds

- Front and rear axle torque switching response is only 22ms

Precise torque control

- Advanced software algorithms are used to realize 100% intelligent adjustment of front and rear axes, with torque control accuracy $\leq \pm 5\%$



There's Always a Mode That Fits Best

5 DRIVING MODES

With 5 different driving modes, users can manually switch between them according to current road conditions or their own needs



- SPORT
- LAUNCH
- STANDARD
- ECO
- ALL TERRAIN

X-Pedal is no longer a standalone drive mode, but is embedded in the drive mode for adjustment. It is suitable for long-distance driving and ultra-low power driving. The power response is smooth, and the power response in low-speed range is slower than that in ECO. The maximum torque increase rate is 350NM/s at a low speed (13km/h) and at high speeds, it varies with different driving modes, with moderate acceleration sensation. The acceleration is less than 0.65g without crawling, and the recovery intensity is strong. The peak value can reach 0.2g for deceleration

Drive Mode	Applicable Scenario	Performance/Driving Performance
SPORT	High power driving Operating conditions with high power requirements	Excellent power response and relatively strong acceleration sensation. Maintain high performance at all times with exceptional driving pleasure Power response: Fast Range: Short
LAUNCH	Closed road Normal driving conditions	Excellent power response and strong acceleration sensation, and it provides the most extreme back-pressing feeling (if not considering power consumption) Power response: The Fastest Range: Short
STANDARD	Normal driving conditions	Moderate power response and relatively strong acceleration sensation. It balanced range and performance Power response: Moderate Range: Relatively long
ECO	Long-distance driving Lower power driving	Smooth power response and moderate acceleration sensation. The main focus is comfort Power response: Smooth Range: Long
ALL TERRAIN (Only for 4WD)	Wet and slippery road Snowy road Sandy road	The power response is slow with maximum torque, ensuring safety while driving on wet and slippery roads. The acceleration sensation maintains the characteristics of the currently selected drive mode unchanged



Torsional stiffness
of the whole vehicle

41600N·m/deg

Handling performance

Top-tier tuning by a professional team from Germany, providing SUVs with performance similar to that of sports car in terms of handling



Out-of-control drifting leads to accidents; only controlled drifting is considered an art. G6 boasts excellent handling surpassing other vehicles in its class, while also ensuring comfort. Good vehicle grip and traction, high limit, maximum lateral G value of 0.94 upon cornering are comparable to the level of high-performance sports coupe
Body control is compact and smooth, especially on uneven roads, the impact has a wrap-around effect, aftershock filtration is powerful, and the vehicle occupants are comfortable

Front and rear
axle load ratio

50:50

Low center of gravity

540 mm

Optimal combination of suspension structures

FRONT DOUBLE WISHBONE INDEPENDENT SUSPENSION/
REAR FIVE-LINK INDEPENDENT SUSPENSION (WITH LATERAL
STABILIZER BAR)

Numerous supercars or performance models choose the front double wishbone + rear five-link suspension combination form because it provides flexible steering control and outstanding support stability, allowing the vehicle to undertake more extreme sports performance.



Front double wishbone independent suspension

- Adopting all-aluminum alloy material, effectively reducing the unsprung mass, equipped with a lateral stabilizer bar to further enhance the lateral stability support



Rear five-link suspension

- The vehicle has a near-perfect athletic arc, which effectively supports the body and provides excellent athletic handling attributes, while also taking into account the comfort of the rear occupants



Item	G6	Model Y
Front suspension structure	Single ball joint double wishbone	Double ball double fork arm
Front lower arm material	Aluminum	Aluminum*2
Front upper arm material	Aluminum	Single-layer stamped steel + fiberglass
Front knuckle	Aluminum	Aluminum
Rear suspension structure	Five-link	Five-link
Rear linkage material	1 Aluminum + 4 Steel	Steel connecting rod
Rear lower arm material	Steel	Steel

Top team craftsmanship

TUNING BY PROFESSIONAL TEAM FROM GERMANY

Based on G6's remarkable mechanical capabilities, a German chassis tuning expert team was invited to optimize the chassis to create a class-leading high sports performance chassis while also maintaining cockpit occupants' comfort



41600N·m /deg, ultra-high vehicle torsional stiffness

- The stiffness of the entire vehicle determines the body's lateral inclination limit and stability upon cornering. G6 uses a front and rear unibody aluminum die-casting body + CIB body integration technology, which, when combined with ultra-high-strength steel, results in an extraordinarily high degree of body integration

50:50, front and rear axle load ratio

- Long Range 4WD: Front 50, Rear 50; Standard Range 2WD: Front 47, Rear 53; Long Range 2WD: Front 48, Rear 52
- Almost all of them are 50:50, with the best balance ratio; the vehicle has ideal sports traction performance upon cornering, which is also the BMW brand's more important and emphasized sporty handling attribute

540mm, ultra-low center of mass

- Lower body center of mass, high speed stability, significantly lower than the average height of standard fuel vehicles (>650mm), comparable to the level of BMW M3, Mercedes-Benz AMG series and other performance sports car



Electronic control to further push the limits of the vehicle's performance

DTCS DISTRIBUTED TRACTION CONTROL SYSTEM/ VDC 2.0 ELECTRONIC CONTROL SYSTEM



Intelligent, electronic control system prediction and control allow the vehicle to respond faster and with more accuracy when making extreme motions

- With motor quick response torque control (4ms), the motor controller immediately judge and control tire slip, therefore solving the problems of conventional models, such as large drive wheel dynamics, driving instability, acceleration stuttering, and so on
- The VDC system works in tandem with the chassis control domain to provide highly integrated control, and in the event of limit control, reduces motor torque output/brakes the wheels in a timely manner in response to the vehicle's potential understeer/oversteer tendency, improving cornering stability and precision



Braking performance



33.4m ultra-short braking distance,
not only running fast, but also can stop

G6's excellent braking performance, whether speeding on the highway or shuttling on the city road, its advanced braking system and fast and stable braking effect provide the user with unparalleled peace of mind and a sense of control while driving, allowing them to drive in a variety of road conditions with ease and confidence

100-0km braking distance

33.4 m

Brake system response speed

150ms

Stronger braking force, faster and more stable braking

BOSCH'S INTELLIGENT INTEGRATED BRAKING SYSTEMS (ONEBOX)

Applying the new generation of Bosch technology, through the integration of iBooster electronic braking and ESP body stability control system, the braking response speed is faster, braking force is stronger, after many rounds of real-vehicle testing and tuning, the vehicle 100-0km/h braking distance is only 33.4m



- Faster braking response (0.15s), stronger braking force (22MPa), leading in the industry, pressure changes linearly with the brake pedal, direct feedback
- Decoupling by wire for brake pedal, three gears adjustable for pedal force, achieving a range of brake pedal sense curve, adapt to the needs of users with various foot feel
- Supports selection with driving mode, and can be optimized with subsequent OTA for feedback strength, NVH, etc
- Enables safe redundancy of braking system in L4-level intelligent assisted driving

Safety



XPILOT Safety

All-around security to protect you during every travel



G6 has 13 complete active safety functions, including real-time monitoring of the road environment around the car, early warning of potential hazards, and quick response to the situation during driving, all of which provide users with dependable security



Wide detection range and full coverage of the scenario, significantly reducing the probability of accidents

13 INTELLIGENT ACTIVE SAFETY

G6 has 13 complete active safety functions. It comprehensively judges possible threats in the front, back, left and right of the car while driving using radar detection and camera identification, and then warns and intervenes proactively to assure driving safety

- G6 has 13 complete active safety functions. It comprehensively judges possible threats in the front, back, left and right of the car while driving using radar detection and camera identification, and then warns and intervenes proactively to assure driving safety

5 items

Forward active safety

6 items

Lateral active safety

2 items

Rearward active safety

Features/Models	G6	Model Y
Number of functions	13	9
Forward distance monitoring (FDM)	✓	✓
Forward collision warning (FCW)	✓	✓
Autonomous emergency braking (AEB)	✓	✓
Lane departure warning (LDW)	✓	✓
Blind spot detection (BSD)	✓	✓
Lane change warning (LCA)	✓	✓
Lane keeping assistance (LKA)	✓	✓
Emergency lane keep assistance (ELK)	✓	✓
Intelligent high beam (IHB)	✓	✓
Traffic sign recognition (TSR)	✓	○
Rear cross traffic alert (RCTA)	✓	-
Door open warning (DOW)	✓	-
Rear collision warning (RCW)	✓	-

5 forward active safety items with precise recognition
FDM (Forward Distance Monitoring)

- Monitoring of target vehicles in the road ahead, visual warning through visualization

FCW (Forward Collision Warning)

- Timely warning via instrumentation and sound when there is a potential collision risk in front of the vehicle

AEB (Autonomous Emergency Braking)

- When there is a risk of collision but the driver fails to decelerate or brake in time, the system will actively intervene and assist in braking

IHB (Intelligent High Beam)

- Automatic switching between high and low beams to avoid dazzling other vehicles or pedestrians

TSR (Traffic Sign Recognition)

- Accurately identify traffic signs on the road ahead to avoid violation of the laws

6 lateral active safety items for safe lane change
LDW (Lane Departure Warning)

- Timely warning when a vehicle unconsciously deviates from its lane

LKA (Lane Keep Assistance)

- The system will automatically correct the vehicle back to the original lane if the driver fails to take action after the vehicle has deviated from the lane

ELK (Emergency Lane Keep Assistance)

- If the vehicle deviated from its lane and that lane is at risk, the system will urgently correct the vehicle's position to avoid an accident

BSD (Blind Spot Detection)

- Safety warning will be given when there is another vehicle in the blind spot on the side of the vehicle

DOW (Door Open Warning)

- Vehicles approaching quickly from the side and rear, the system will warn you if you open the door



2 rearward active safety items with timely warning
RCW (Rear Collision Warning)

- When there is a vehicle approaching quickly from behind and there is a risk of rear-end collision, illuminate the rear tail light to warn the vehicle behind

RCTA (Rear Cross Traffic Alert)

- Monitor the two sides behind the vehicle when reversing, give a warning in time in case of risk; if the driver does not brake, then the system will actively intervene to brake



Passive Safety

Ultra-high-strength body, unique safety structure, to protect the safety of the whole family during travel

Class-leading passive safety performance, the body consists of a variety of high-strength steel and lightweight aluminum, to assure safety while also enhancing the vehicle's lightweight. The application of front and rear unibody aluminum die-cast body, CIB battery body integration technology, and the unique safety structure of a super-strong steel-aluminum hybrid body result in an E-NCAP five-star safety rating and ensure the safety of all occupants in vehicle.

Torsional stiffness
of the whole vehicle

41600N·m/deg

High-strength
steel

26%

Weight reduction

33kg

Safety ring design

16-channel

Ruggedized for the ultimate in protection

FRONT AND REAR UNIBODY ALUMINUM DIE-CAST BODY

The conventional body, consisting of over 300+ components, has been highly integrated into two unibody die-cast aluminum alloy pieces. The vehicle's torsional rigidity has achieved a value of 41600N·m/deg, satisfying the safety requirements of both Chinese and European five-star standards. Equipped with three invention patents and one technical patent, this product has the ability to endure more forceful impacts, resulting in exceptional passive protection

Capable of withstanding greater loads and impacts

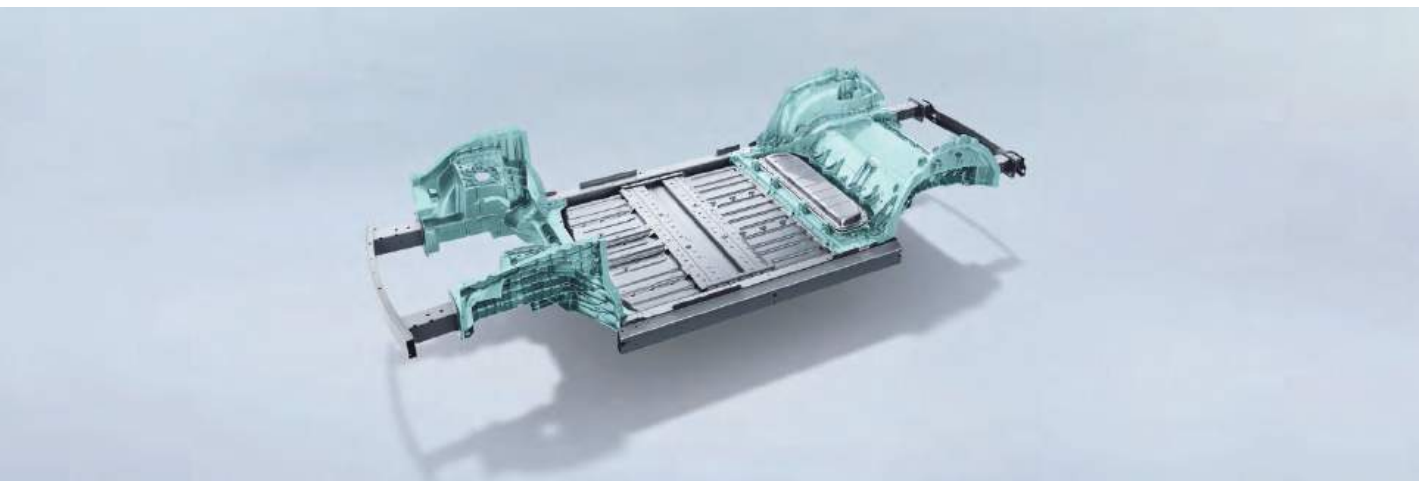
- The use of die-casting special heat-treatment-free high-strength, high-toughness aluminum material increases the body's mechanical performance

Highly intelligent to improve production efficiency and quality

- Advanced processing technology, automation rate of 95%; hundreds of quality tests, 100% X-ray inspection

Highly integrated and consolidated to enhance lightweighting

- Weight reduction of 33kg, 161 parts reduced, and a significant reduction in weld seams and weld joints provide a more stable and durable body



Model	Body-in-White Skeleton Mass (kg)	Torsional stiffness of the whole vehicle (N·m/deg)
XPENG G6	315	41600
Tesla Model Y	350	21700
NIO ES8	335	44100
Audi A8	282	43800
BMW 7	323	42100
Mercedes BENZ S	362	40000

Ultra-high strength battery and body side protection

CIB BATTERY BODY INTEGRATION DESIGN

Compared to previous generation of technology, the battery pack's sealing effect is significantly enhanced, particularly the long-term sealing and disaster prevention performance; it meets the IP68 level standard, and there is no water intrusion when immersed underwater for 48 hours

Lowering the center of gravity increases internal space by 5% while improving passive safety protection for the cockpit and battery

The side features a 3-layer collision protection structure with 8 collision compartments, providing a safety distance of 183mm

- The outer layer is an extra wide thermoformed steel threshold with a strength of 1500MPa, and the side columns can resist up to 50 tons (500kN)
- The middle layer consists of 8 collision compartments, each with a width of 140mm, offering high strength and light weight
- The inner layer is an 85mm wide extruded aluminum frame with significant energy-absorbing effect



Each material is used in the most appropriate place

HIGH-STRENGTH STEEL-ALUMINUM HYBRID BODY

The body of G6 is composed of a blend of diverse steel and lightweight aluminum, with 26% high-strength steel and 51% aluminum, and the roof's compressive strength is 4.83 times that of the vehicle's weight, which far outperforms that of comparable models

There are 155 high-strength connection points, 10% more than in the same class, which improves chassis quality and handling stability



Body Material	Percentage	Material structure
Thermoformed steel	14%	A, B pillars, lower beams, and rear collision steel beams, and a one-piece laser welding process is used
Advanced high strength steels	10%	Front enclosure, D-pillar and rear crossbeams
Ultra-high strength steel	2%	The roof crossbeams adopt double-layer ultra-high strength steel, with the support of A and B pillars, the pressure-bearing capacity of the top of the car has reached 4 times the standard of the national standard
normal steel	23%	Front and rear enclosures, D-pillar
6-series aluminum	14%	Front collision beams, front crossbeams, and side door sills beams, meeting high passive safety requirements
5-series aluminum	9%	C-pillar position, reinforced rear door ring impact resistance
Die-cast aluminum	28%	Large front and rear parts in unibody aluminum die-cast technology, improving overall rigidity



The rings are interlocked, absorbing collision energy layer by layer to protect the occupants

CAGE-TYPE BODY, 16-CHANNEL RING SAFETY DESIGN

The body of G6 incorporates 16-channel closely-integrated closed reinforcement rings, forming a unique cage-type body structure, ensuring solid overall frame strength

The 16-channel safety rings are staggered and coherently distributed throughout the vehicle's horizontal, vertical and longitudinal structures, forming multiple collision force transmission paths that effectively reduce impact and protect people in the cockpit in the event of a collision

Name	Qty	Position
Dual aluminum front collision protection and energy absorption rings	2	Front primary and secondary collision protection
Body A-ring	1	Thermoformed steel A-pillar (door ring) + top cover
Body B-ring	1	Extra wide rolled thermoformed battery crossbeam + thermoformed B-pillar + thermoformed top crossbeam
Body C-ring	1	Stamped Aluminum C-Pillar
Body D-ring	1	Tailgate ring
Sunroof ring	1	Sunroof
Lower double-layer battery protection ring	1	CIB multi-layer aluminum threshold + threshold pressure resistance 500KN
Side front and rear door rings	4	Front door laser welded double-layer thermoformed steel door ring, rear door thermoformed + stamped aluminum
Rear steel-aluminum composite collision protection and energy absorption ring	1	Two-stage energy absorption box, v seven-layer bending energy absorption design
Rear battery protection ring	1	Battery pack
Front and rear full frame subframe	2	Chassis front and rear subframe



BATTERY SAFETY



Ten-dimensional battery safety protection
eliminating "electricity safety" anxiety

Integrated hardware protection and a number of safety management systems, as well as a number of tests, are implemented throughout the vehicle's life cycle
Focused on battery cell, through the five areas of intelligent guarding, high-voltage protection, quality assurance, disaster control and mechanical dependability as well as the ten dimensions of safety design are used to improve system safety protection and accomplish no heat diffusion and no heat spread (NP) of the battery

Control structure

4-in-1

Individual protection of
battery cell

1

Sandwich
construction

3

Liquid cooling

2-Way

The most comprehensive battery protection program

NINE DIMENSIONS OF BATTERY SAFETY

Intelligent guarding of security

1. Early warning algorithms to prevent problems before they occur

- 20+ early warning algorithms to recognize abnormal conditions in advance and respond in a timely manner

2. Comprehensive control to improve battery health and longevity

- Multiple protection measures for voltage, current, etc. to ensure the health of battery

High voltage protection safety

3. Insulation treatment to reduce the damage of abnormal working conditions

- Internal and external high-voltage devices are insulated with insulating flame-retardant materials and ceramic composite tape to decrease the damage associated with abnormal working conditions

4. Voltage resistance, eliminating overloading

- Maximum withstand voltage 2600V; Maximum withstand voltage 1600V for battery pack

Quality assurance safety

5. Early prevention for longer life

- Advance control of the battery module assembly's preloading force to limit the likelihood of battery lithium precipitation.

Disaster control security

6. NP protection program, no spread and no fire

- Top three-in-one fireproof heat-insulating cotton (mica + mineral wool + glass fiber), high temperature resistance of more than 1000 degrees
- Inter-cell aerogel insulation protection, temperature resistance of 700 degrees or more
- High-power dual-branch liquid cooling system for better results

7. Waterproof ability, also safe under special working conditions

- Waterproof rating is IP68, after 35000km+ high strength endurance test, the battery pack has no water ingress phenomenon when immersed underwater 1m deep for 48 hours.

Mechanical reliability and safety

8. Unique "sandwich" protection structure, strong and not afraid of collision

- From top to bottom, cushioning foam, high-strength galvanized steel plate and PVC scratch-proof coating are utilized by layers to strengthen the cell's resistance to impact and prevent risk
- Meets the industry's most stringent bottom ball striking test criteria, improving the bottom protection of the entire battery pack

9. Side CIB structure, multiple layers of collision protection

- Chassis integration + front and rear unibody aluminum die-cast body, forming a super-strong whole

All kinds of abnormal
working conditions can be
guaranteed

30 SAFETY TESTS

G6' s battery pack has been subjected to 30 rigorous tests, including insulation, withstand voltage, mechanical shock, extrusion, vibration and other factors, ensuring that the battery pack continues to function normally under a wide range of unusual and abnormal working conditions



Intelligence Technology

Smart and constantly evolving



/ 75 XPILOT
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XPILOT



HARDWARE CAPABILITY

Class-leading number of perception hardware and chip computing power to accurately detect the road environment



Perception hardware

29

Maximum detection distance

210m

G6 contains 29 intelligent driving sensors throughout the vehicle that accurately perceive, detect, and respond in real time, forming a very powerful and dependable hardware foundation for intelligent assisted driving

29

Intelligent Driving Sensors

Class-leading quantity, forward triple perception fusion:
camera, millimeter wave radar, ultrasonic radar, lateral dual and rear triple perception fusion

Item	G6	Model Y	ID4
Ultrasonic radar	12 (6 front and 6 rear)	12	8
Millimeter-wave radar	5 (3 front and 2 rear)	1	3
Front view camera	2*1 (binocular camera)	3*1 (trinocular camera)	1
Side view camera	4 (2 lateral anterior, 2 lateral posterior)	4	0
Rear view camera	1	1	0
Parking camera	4	0	4
In-vehicle DMS camera	1	1	0
Chip Type	254 TOPS Orin-X	2× FSD chip	Mobileye
Total number of sensors	29	22	16

Camera + Millimeter Wave Radar, Dual Vision and Radar Protection

Dual perception, accurately detecting various situations on the road to ensure driving safety



Orin-X Chip with Superb Computing Power

G6 is equipped with Orin-X, an intelligent assisted driving master control chip with superb computing power and excellent performance, which has three class-leading advantages:



01

Accurate transmission

closed loop of data in the cloud

Upload photos, geolocation, more targets relative to one another, and so on to the cloud, resulting in a closed loop and iteration of data, as authorized by regulations and users

02

Fast speed

254 TOPS of computing power

The chip features a 12-core CPU with fast computational speed, performing 254 trillion operations per second

03

Wide range

10+ application scenarios extended

Provide more anthropomorphic intelligent assisted driving capabilities in scenarios such as highway and parking lot

DRIVING FUNCTIONS



Advanced, easy-to-use, full-scenario assisted driving enjoying a relaxing drive at all times

G6 offers an excellent and dependable intelligent assisted driving system that can perform automatic following cruise driving from point A to point B, effectively relieving driving fatigue

Function	Description
ACC Adaptive Cruise Control	If you only need simple following cruise, you can utilize the ACC adaptive cruise control function, which allows the car to automatically follow the vehicle in front of you to start and stop, effectively minimizing driving fatigue
LCC Lane Centering Control	Through the fusion of camera and radar perception scheme, keep the vehicle in the center of the lane and allow it to drive through curves smoothly, reducing the burden of driving
ALC Auto Lane Change	During cruising, the turn signal lever can be manually toggled and the vehicle will assist the driver in changing lanes to the target side while confirming safety

PARKING FUNCTION



Provide optimal parking directions in high-frequency parking scenarios Parking has become a breeze since then

Through the fusion of camera and radar perception scheme, it recognizes the target parking space and assists in parking the vehicle safely and smoothly into the parking space under the supervision of the user, effectively solving various difficulties encountered by the user in parking

Function	Description
APA Automated Parking Assistance	Vehicles can autonomously recognize parking spaces, control the vehicle forward/backward, start/stop, steer, and safely park in the target parking spaces
VPA Valet Parking Assist	Through high-precision map positioning and radar, as well as a camera fusion recognition program, it is possible to provide parking guidance and assistance in a fixed parking lot that is easier, faster and safer
RVS Remote Vehicle Summoning	For some extremely narrow parking spaces, users can utilize the vehicle summoning function to direct the vehicle to go forward/backward in a straight line, making it easier for drivers to get into the vehicle
AEP Auto Exit Parking Assist	When the user uses intelligent parking to park the vehicle in the parking space, it is also possible for full intelligent exit parking; the vehicle will automatically memorize the original parking route and direction, exit the parking space by 1.5m distance, to facilitate the driver to get into the vehicle in a special environment
EAP Intelligent Parking Assist	Vehicles can find the parking space on the front side without crossing the parking space, and easy to park the vehicle; avoid obstacles at the same time in the parking process
RPA Remote Parking Assist on Cell Phone	For some special narrow parking spaces, users can get off the vehicle in advance and then control the vehicle to park in/out through the cell phone APP

Intelligent Cockpit



HIGH-SPECIFICATION HARDWARE

”
The industry's mainstream high-specification cockpit chip from now on to open the scene iteration of the intelligent experience

G6 is built on high-spec hardware, allowing users to experience smoother vehicle-infotainment interaction and a more flexible combination of features. It creates a more "human-like" intelligent cockpit, making G6 a smarter mobile tool

The "brain" of the intelligent cockpit, the basis for smooth and stable interaction with the vehicle

QUALCOMM SNAPDRAGON 8155P CHIP

G6 incorporates the industry-leading Qualcomm 8155 cockpit chip, which employs a 7nm technology and an 8-core CPU to offer powerful cockpit interaction performance, allowing users to experience silky smooth human-machine interactions

Compared to the previous generation of cockpit chips the 8155 chip has improved performance:

CPU performance improvement

2.0times

Smooth switching between vehicle interfaces and faster software startups

GPU performance improvement

3.0times

Stronger image processing capability and more realistic display effect

Also owned

- 12GB RAM, 128GB ROM, comparable to mainstream cell phone configurations
- 4G vehicle telematics module for improved communication reliability and speed
- CANFD communication technology allows 7-channel CAN communication at the same time, improving communication and transmission capabilities among the vehicle's systems
- Strong cooling and heat dissipation capabilities, with the entire motor cooling circuit utilized to optimize heat dissipation and cooling efficiency



14.96^{-inch}
center touch screen

With 2400 x 1200 HD resolution, the screen display is more detailed with clear picture quality

Full lamination process, high-strength glass material, the surface of the industry's cutting-edge technology -- magnetron sputtering ultra-low reflection coating, wear-resistant, scratch-resistant, and easy to clean

12mm extreme thinning, glass edges polished with 2.5D technique, industry-leading narrow bezel, and integrated black design, emphasizing the sense of technology



10.2^{-inch}
LCD gauges

High resolution, high definition display, 100 levels of brightness, and automated adjustment

Extra-wide dimensions and an attractive interface with color palettes designed to fight visual fatigue allow drivers to comprehend information intuitively

It can display practically all driving information, including speed, power, vehicle status, navigation information, and driving assist information. The response time is <2s, ensuring rapid and effective help and direction for drivers

ZERO BARRIER INTERACTION



State-of-the-art digital capabilities and highly intelligent interaction the optimal form of intelligent cockpit interaction

G6 can deliver cockpit information, entertainment information, driving information, and so on to the driver and passengers in the vehicle in an intuitive, clear, quick, and accurate manner using a variety of intelligent interaction methods, resulting in a more "human-like" intelligent cockpit and emotional interaction experience

Clear listening understanding and actionable

"HEY XPENG" THE INTELLIGENT VOICE ASSISTANT

G6 includes a highly intelligent voice interaction assistant, which means that the great majority of commands do not need to be performed manually

It also supports vehicle control, audio, navigation, and other high-frequency scenes of voice command control, making driving safe, fast, and convenient

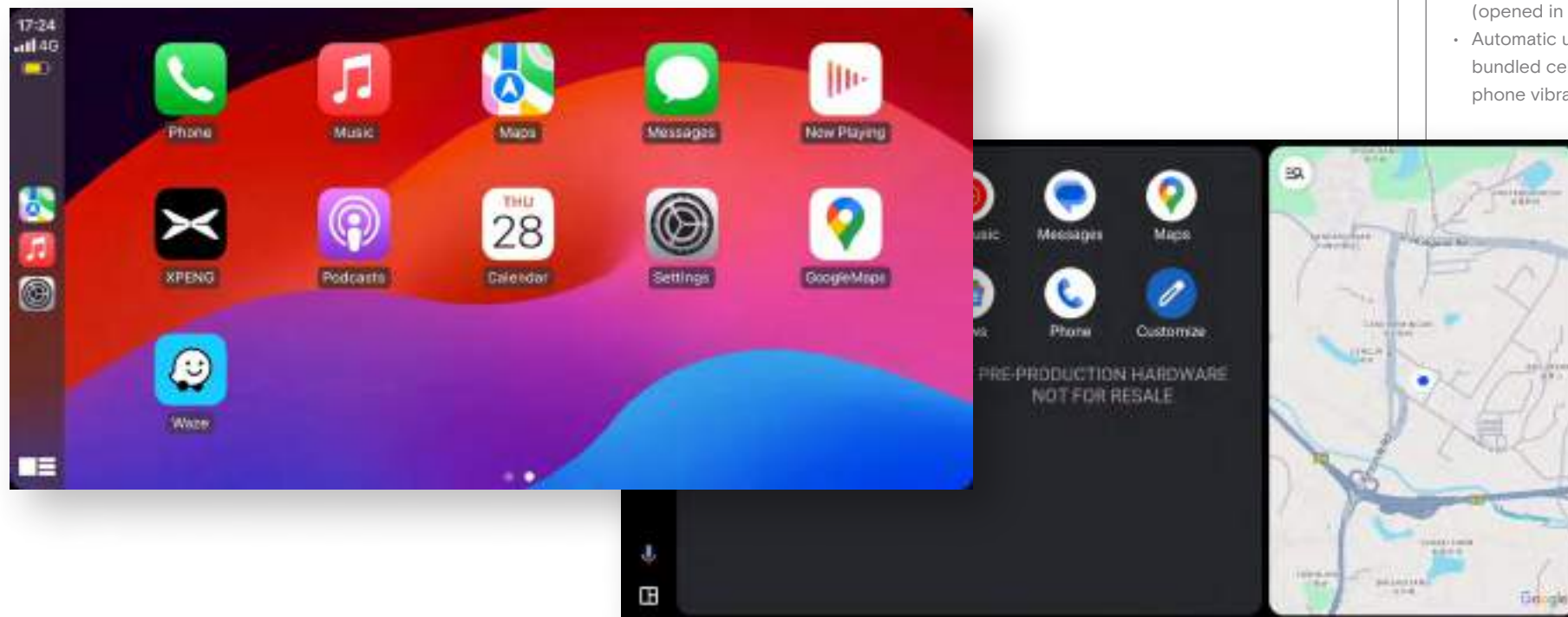
- Response speed <300ms, 2-3 times faster than the industry average
- Sound source localization, multi-tone zone command recognition, voice commands from different locations in the vehicle can be controlled
- Offline control, the basic control commands can still be recognized when the network status is poor or no network
- The core control module can be continuously iterated and upgraded to expand more interesting and convenient voice functions

Perfect combination of cell phone system and in-vehicle system

WIRELESS APPLE CARPLAY & ANDROID AUTO

Equipped with Carplay & Android Auto functions, allowing connection to mainstream cell phones on the market, and direct access to various applications

- Support both wired and wireless connections, providing a comprehensive way of interconnection without limitations
- Enjoy immersive full-screen display, where applications are clear at a glance, and accessible with just a tap
- Highly integrated with the vehicle system, music, map, phone information can be displayed directly on the LCD instrument, more intuitive
- Seamless integration of Carplay & Android Auto navigation, media, and system sound modes, offering multiple usage scenarios (private, driving, shared)



A cell phone can control the vehicle's condition

CELL PHONE APP REMOTE CONTROL

G6 provides users with a more convenient and intelligent unlocking/locking/starting method. Simply by carrying a bundled cell phone, you can remotely view the vehicle status and remotely control the vehicle via APP, and also provide key sharing to meet multi-person vehicle scenarios, completely replacing mechanical keys

- Basic function: Remote control of door/window, tailgate, charging port cover opening/closing
- Intelligent air conditioning: remote control of air conditioning on, off and temperature adjustment, the most comfortable temperature as soon as you get into the vehicle
- Finding the vehicle: you can view the vehicle's location directly from the APP, and you can also control the flashing lights and siren for easy searching
- Vehicle abnormal state reminder: when the door/window and tailgate are abnormal (opened in locked state), notify the owner in time via APP
- Automatic unlocking/locking: when approaching/leaving the vehicle with the bundled cell phone, the doors will be automatically unlocked/locked while the cell phone vibrates to remind the user

OTA

OTA

OTA

OTA

”
With the evolving smart experience
your vehicle is always up to date

Based on the SEPA 2.0 Fuyao full-featured intelligent evolution architecture, G6 has an unlimited expansion capability that far exceeds that of its peers, and the OTA upgrade of the whole vehicle package takes only 30min, and the vehicle is often used and always new

OTA can be performed using the center control screen or a cell phone APP. After connecting to the Internet, the vehicle will automatically get the OTA push, and the upgrade can be completed by clicking the confirmation

- Instant Upgrade:
When the vehicle is stationary, click "Upgrade to the latest version—Upgrade Now," with the entire process taking no more than 30 minutes
- Reservation upgrade:
click the upgrade time pop-up window, set the OTA specific time, so it will not affect the use of vehicle for staggered travel, making it efficient and convenient
- Automatic upgrade at night:
after confirming the activation, the system will be upgraded at 3:00 a.m., no need to confirm manually again
- Cell phone remote upgrade:
upgrade remotely on mobile phone, more convenient and direct

Comfort & Space

Offering an unparalleled driving/riding experience

/ 97

Ultimate comfort enjoyment





Ultimate comfort enjoyment

”

It's not only comfortable to look at
it's instantly luxurious and satisfying to sit in

The seats boost occupant comfort, the air conditioning allows them to breathe cleaner and healthier air, and the sound system allows them to unwind with soothing music. G6 considers the user's primary situations when designing and optimizing, allowing the entire family to participate in every trip



12 - way power-adjustable driver seat

G6 driver seat features industry-leading intelligent comfort configurations, including 8-way power adjustment + 4-way lumbar support, multi-directional tensile surfaces to fit ergonomic curves, and perfect support and wrapping, allowing drivers to always maintain the best driving condition and cope with changing conditions

6 - way power-adjustable passenger seat

The passenger seat has 6-way power adjustment and is equally as comfortable as the driver seat, with three sets of seat memory, heating/ventilation, and supporting cushions to help occupants find the ideal position and posture

12 - position backrest adjustable rear seat

The rear row can sit or lie down, with a backrest angle of 27° ~ 38.4° that can be manually adjusted in 12 directions. Whether seating with family or friends, the angle can be adjusted to ensure optimal enjoyment

332.6 mm

70 mm

8-way + 4-way lumbar support

332.6 mm

70 mm

6-way

342.6 mm

114 mm

12-position backrest

Cushion length

Foaming thickness

Power adjustment



Noise reduction at source

- For body noise, use front and rear unibody aluminum die-casting bodies to strengthen the rigidity of the vehicle and reduce vibration
- Low wind resistance styling optimizes the body exterior streamlining, hence optimizing the overall vehicle wind noise
- Low motor noise, incorporating 7 technologies including silent gears, reducing noise from the power system at its source

Blocking transmission to reduce noise

- 20 air partitions to block noise transmission
- 5mm thick double-layered laminated glass, fully insulating the outside noise into the vehicle
- 36 all-around wrapped sound-absorbing cotton, absorbing road noise transmitted to the interior of the vehicle
- Water-soluble environmentally friendly sound insulation mat, effectively absorbing vibration transmitted by the road surface, reducing noise transmission

Luxurious quiet
performance with
only 63.8 dB
of noise at high speeds

EXCELLENT NVH PERFORMANCE

G6's cockpit is extremely silent, with notable noise isolation upon entering the car. When traveling on city streets or at highways, it creates a quiet place for driver and passengers, ensuring a comfortable and tranquil environment within the vehicle

18-speaker Xopera sound system

All 18 speakers (including 2 driver seat stereos) are equipped with the Xopera sound system, which has been masterfully tuned, 7.1.4 panoramic effective technology, and self-developed acoustic algorithms to create mind-blowing sound effects

	G6	Model Y
Number of speakers	16	14
Headrest Speaker	2 for the driver seat	N/A
Amplifier	960W	-
Sound brands	Xopera	Self-developed

01 Three-layer composite paper cone speakers

- "Sandwich" structure, paper + EPP + paper, the upper layer of high-end materials has beautiful appearance and texture; the middle layer of EPP material is lightweight, good damping; the bottom layer of composite pulp has a high degree of rigidity, solid support
- Effectively ensure that the bass is elastic, deeper and more infectious sound

02 KEVLAR diaphragm speaker

- Bulletproof fiber material, outstanding transient response; tone is more fluid, natural, and layered. Ideal for fast-paced songs with rapid and frequent changes in tone and volume

03 Titanium membrane speaker

- Fine and transparent treble, good metallic performance, clear tone, especially in the appreciation of symphonic music and pop tunes, the effect is better



04 Spatial sound 2.0, building the cockpit surround sound effect

- Based on the theory of psychoacoustic binaural localization of the sound source, the position and orientation of each speaker are optimized to broaden the sound's width
- Each occupant of the vehicle can feel the "emperor position" of listening delight thanks to the 7.1.4 panoramic sound effect technology, which increases the degree of music extension and thus the sound field

05 Lossless restoration algorithms for the highest possible quality of any type of music

- Repairing lossy music with the player's low bit rate to achieve lossless-like sound quality, which can improve the sound quality of digitally compressed audio
- The vehicle reproduces the original sound by compensating the sound field and recovering the high-frequency sound, allowing every type of regular music to be delivered in flawless quality

06 Vocal beautification algorithms, as if you were listening live

- Improved some of the vocal overtones for a more genuine and intimate sound signature
- A more immersive vocal image and richer vocal expression without distorting the sound



Speaker type	Size	Quantity	Diaphragm	Position
High pitch	2 inches	4	Titanium diaphragm	Instrument panel, door panels
Low pitch	6.5 inches	4	KEVLAR diaphragm	Front and rear doors
Mid-range	3.5 inches	3	KEVLAR diaphragm	Center speaker Mid-range surround speaker
Mid-range	2.25 inches	4	KEVLAR diaphragm	Front and rear headliners
Low pitch	10-inch	1	Dual voice coil subwoofer	Trunk left/right rear side
Full frequency	2 inches	2	-	Both sides of the backrest of the driver seat
960W external amplifier	-	1	-	Trunk



Senseless air delivery every new breeze is just right

INTELLIGENT DUAL-ZONE AIR CONDITIONING

G6 is equipped with intelligent dual-zone air conditioning, which allows you to freely control the electric air vents and thus change the blowing angle, allowing people blowing and avoiding people blowing, as well as supporting the entire vehicle sweeping function and the intelligent passenger seat air venting function

Max heating/cooling to reach the target temperature quickly

Open the "max heating" or "max cooling" option on the center control screen to rapidly adjust the temperature within the vehicle

The lowest temperature is 18°C / 32°C, the air volume is the largest, and the seat ventilation/heating is automatically opened

Solve odor problems and restore the real cockpit environment

Optimize the evaporator structure, material, and control strategy to fully solve the problem of air conditioning with unpleasant odor

Intelligent defogging function to enhance driving safety

The air conditioner comes with an anti-fog sensor, which effectively reduces the probability of glass fogging based on the judgment of front windshield temperature and humidity

Energy-saving mode, combining power and handling

Upon activation, the mode effectively increases range while maintaining basic comfort

Convenient Experience

Practical and suitable for a wide range of scenarios



/ 111 Daily Convenience

/ 117 Travel Convenience

Daily Convenience



Spacious and practical space for easy traveling



Bright lights and shadows for a dreamy cockpit

HIDDEN AMBIENT LIGHTING

Ambient lighting is located on the dashboard, inside door panels, etc. and provides a colorful atmosphere in the cockpit

Using hidden design, simple and unobtrusive modeling, you can manually set the color, mode, time, and other options via the central control, as well as follow a number of functional linkage changes in a timely manner to remind and bring multi-sensory enjoyment

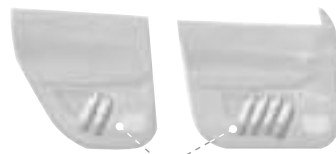
Organized and appropriately sized

18 STORAGE SPACES

G6 cockpit has a total of 18 storage spaces scattered throughout the car; the design is sensible and functional, and goods used on a daily basis or while traveling have an appropriate area to be placed. The space dimensions are class-leading, with six bottles of 500ml mineral water in the center armrest area, for example, and five bottles in the storage compartment below console.



center armrest area



door panel storage area

Position	Quantity
Storage compartment below console	1
Cup holder on central armrest	2
Central armrest	1
Inner handle box of front door	2
Lower map case of front door	2
Magazine case at back of front seat	2
Inner handle box of rear door	2
Lower map case of rear door	2
Telescopic cup holder of rear seat	2
Trunk	1
Storage compartment below trunk	1




Vast sunroof with unlimited panoramic views

PANORAMIC SUNROOF

G6 comes with an oversized panoramic sunroof that provides open views and light

- Large area: smooth dome shape, and connected with the front windshield as one, 2.12 square meters area, accounting for 63.4% of the entire roof area, which is generally 5 times the area of an ordinary sunroof
- Heat and UV insulation: LOW-E + double silver-plated technology, UV isolation rate of 99.9%, heat insulation > 86%, without fear of the scorching sun in summer, cold insulation in winter



A wide range of ports say goodbye to charging anxiety

WIRELESS CHARGING*2
12V CHARGING PORT
TYPE-C*3
USB*1

The console area is outfitted with two wireless charging devices, each with 50W of high power and air-cooled heat dissipation, allowing the phone to cool down rapidly and charge more efficiently, leading the industry standard

It is also equipped with one Type-C port with 60W and two Type-C ports with 15W charging power, as well as one Type-A port, which fully meets the needs of charging cell phones in the vehicle when the whole family is traveling

There is also a 12V power port that can be used to expand for more charging purposes

One-touch door opening easy and fast

ELECTRICALLY RELEASED DOOR BUTTONS

G6 is the first XPENG vehicle to include an internal power button for increased cockpit convenience

- Gently press the electrically released button to open the door, full of technology and ritual
- Emergency mechanical switches are installed to ensure that the doors can still be opened in the event of an emergency, ensuring safety

Travel Convenience



A wide range of convenient features
make traveling more enjoyable

Wonderful outdoor charged life

V2L external discharge

- G6 also includes an external discharge function with a maximum discharge power of 3.3kW, which is ideal for outdoor travel, self-driving camping, and powering small and medium-sized electrical appliances.
- For example: lighting, induction cookers, electric kettles, electric ovens, camping lights, etc., all of which can work stably

Spacious and easy to accommodate your needs

Trunk

- Trunk volume of 571L can easily accommodate 32-inch, 28-inch, 26-inch, and 20-inch luggage, meeting all travel and business needs
- The rear seats may be folded in 4/6 and flattened forward to increase the volume to 1374L, which can hold bicycles, fishing gear, and a range of larger objects
- The opening is wide, measuring 923mm lateral width, and the tailgate sill height above the ground is only 761mm, allowing even heavy luggage or female users to easily access and stow luggage goods



Roof rack (with connector)

- The roof is equipped with a luggage rack with a connector; the luggage rack is immediately connected to the body, making it simple to install, and the level of solidity, safety, and aesthetics are increased; additionally, extra fixed brackets can be added to extend loading space.
- For example, mountain bikes, roof racks, etc

Electric trailer hook¹

- With a towing capability of 1500kg and a vertical load of 75kg for the ball head, it can be used in the majority of towing circumstances available.
- Multi-purpose vehicle that can tow RVs, motorboats, bicycles, ATVs, off-road motorbikes, and more; take your family on vacation, have fun outside, and live a diverse lifestyle.
- Easy to use and store, easy to put away at the touch of a button, reflecting intelligent

Note 1: Variants may exist in different countries, please refer to the actual vehicle

Design

An extension of aesthetics and art

- / 123 Exterior Design
- / 129 Interior Design
- / 133 Aerodynamics

EXTERIOR DESIGN

Techno-flow aesthetic design

SPORTY, TECHNOLOGICAL AND POWERFUL



G6 is designed on the basis of fluid dynamics, with smooth lines shaping the body in an elegant yet sporty manner, emphasizing its youthfulness and sense of style



Robot Face Family Design

Inspired by intelligent robots in sci-fi films, the expression is filled with emotion when the headlights are turned on, just as the robot's eyes detect your presence and greet you with a smile

LED headlight clusters & daytime running lights

The styling is simple and beautiful, the horizontal expansion stretches the visual width, and the front end is full of tension
Integrated position lights and dynamic running turn signals, edgy, stylish and trendy



Suspended roof

The roof appears to be suspended, creating a very dynamic stance
Front and rear occupants have generous headroom and a combination of styling and practicality

Frameless door & hidden door handle

Frameless doors provide a more open view and narrow the blind spot near the A-pillar
Hidden door handles smooth out the side styling and reduce turbulence, lowering wind resistance



LED taillights & widened shoulder

Rear taillights echo the headlights, employing thick-walled combination taillight design, night driving tail is crystal clear, increasing brand recognition
From the rear, the shoulders flare out, making the whole car look more sensual and powerful; it improves the visual tension and echoes with the front end, with an expansive sense of power emanating from it



Golden Body Ratio

Front and rear 50:50 axle load ratios for better overall vehicle sport performance
The short front and rear overhang design improves handling, and the high front and low rear wheelbrow design allows the visual center to focus on the front end of the vehicle, coupled with the low slung posture, creating a sense of potential energy to swoop

Minimalist vanishing surface

Following the family design, the conventional hard straight waistline is replaced with smooth curves, and the side profile is fuller, combining power and aesthetics
The car has no apparent trim pieces or protrusions on its side, which further reduces wind resistance

Techno-flow aesthetic design

SPORTY, TECHNOLOGICAL AND POWERFUL

G6 is designed on the basis of fluid dynamics, with smooth lines shaping the body in an elegant yet sporty manner, emphasizing its youthfulness and sense of style



Sport steering wheel

Oval shape with reduced curvature increases legroom and driving visibility
For a more ergonomic design, we used sumptuous leather material, reduced the number of physical buttons, and integrated functionality on the left and right sides of the steering wheel

Comfort windless air conditioning

The air conditioning vents are horizontally integrated into the center control, and the airflow softly flows with the surface of the center control, encircling the entire cockpit

Vector star ring intelligent cockpit

It represents technological advancement and endless existence. One-piece center control design, immersive intelligent cockpit, and user-centered extension of interactive information

INTERIOR DESIGN

Cloud-like surround seat

The seat shape is remarkably consistent with the interior style, with multi-directional stretching surfaces that follow the ergonomic contours

The cushion length and foam thickness are class-leading, delivering a solid supportive feeling, wrapping comfortably and fitting tightly, seating like floating in the clouds



VARIOUS INTERIOR THEMES

Provide users with personalized options, upholding the concept of young, trendy and environmentally friendly



Imposing gray

Inspired by the air within the earth's atmosphere, the overall presentation is as pure and light as air



Starry night

Inspired by the clear night sky, mysterious, and plated decorations like the stars shining at night

Unleash the power of the wind

ULTRA-LOW WIND RESISTANCE SPORTY STYLING

Following the principles of fluid mechanics in its design, G6 incorporates 17 optimized low-drag designs throughout the vehicle, resulting in a coefficient of drag of only 0.248Cd. This not only enhances the sporty appearance but also perfectly balances aerodynamics with internal space performance, effectively improving vehicle performance and range capabilities.



0.248Cd