

GEELY EX5

Global Pure Electric SUVs

New Benchmark



Product Strategy Department 2024/10

Special note: The images within the document are for functional illustration only and are not pictures of the actual vehicle. They should not be used in any external channels.

About GEELY HOLDING GROUP

Ranked among the Fortune Global 500 for 13 consecutive years

In 2024, ranked 185th, an improvement of 40 places from last year.

Top 10 Global Brands

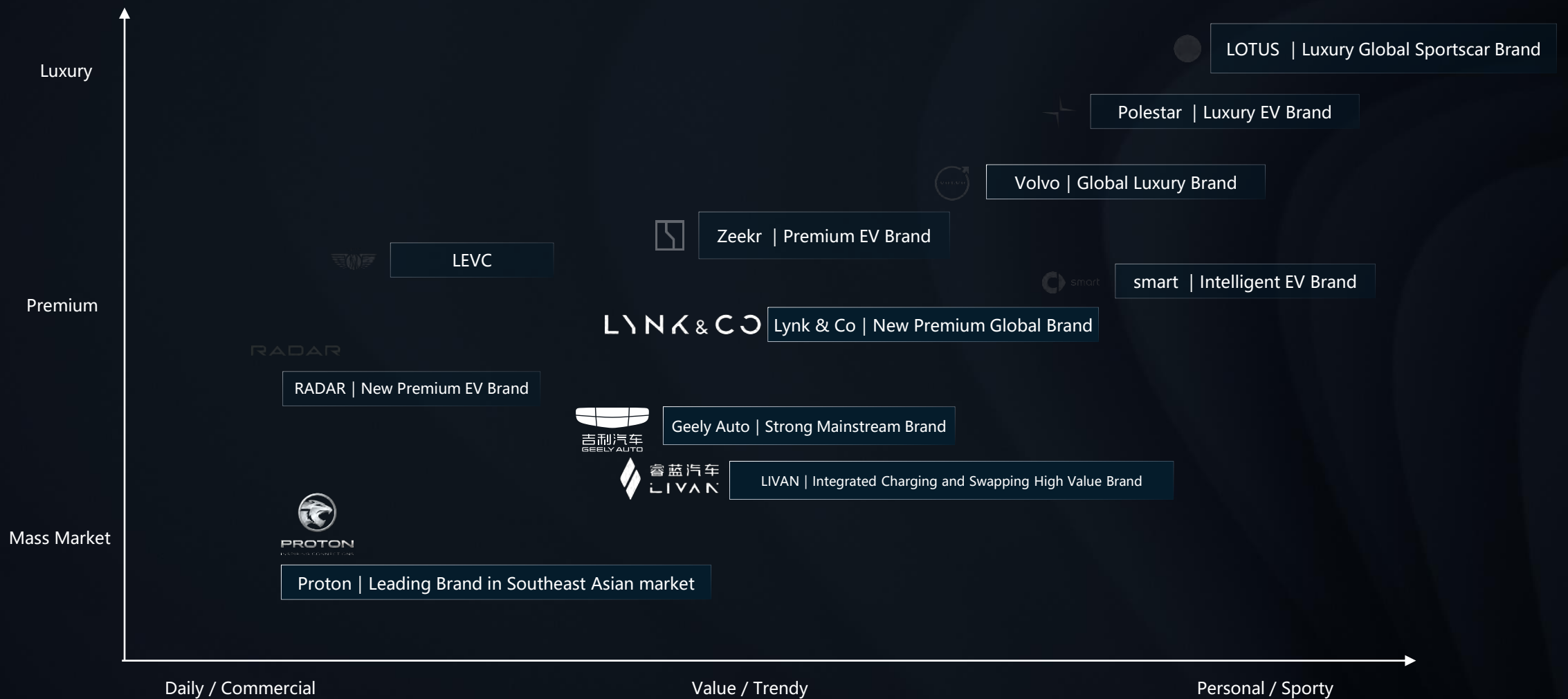
Brand Finance UK released the 2023 list of 'Top 10 Automotive Groups by Brand Value,' with GEELY HOLDING GROUP ranking 9th, making it the only Chinese automotive group to be on the list for four consecutive years.

First Asian Member of IATF

On April 8, 2021, GEELY became the 10th automotive group member of IATF (International Organization for the Cooperation of Automotive Standards) with director voting rights.



GEELY HOLDING GROUP Brand Map



Self-research “Supercomputing Chip” Leads NEV Automobile “Chip Era”

Mass production in 2023

Geely Siengine self-research “Geely Loong Eagle No.1 Chip”

China’s First

7nm Automotive-grade SoC chip

Launch in 2025

5nm

In-vehicle integrated supercomputing platform chip



Geesatcom

Building an Integrated Intelligent Mobility Ecosystem of Heaven and Earth

On June 2, 2022, the Geesatcom 01 group successfully launched and placed nine satellites into orbit with a single rocket.

GEELY became the first Chinese automotive group to achieve an integrated 'Heaven and Earth' layout. Its self-developed centimeter-level satellite high-precision positioning module has passed automotive-grade certification.

On February 3, 2024, 11 satellites were successfully placed into orbit, further upgrading the integrated intelligent mobility ecosystem of heaven and earth.

By 2025, the deployment of a constellation with 72 low Earth orbit satellites will be completed.

Leveraging the high-precision space-time information services provided by GEELY's low Earth orbit satellite system, combined with high-precision mapping technologies, GEELY aims to empower high-level intelligent driving with centimeter-level precision positioning, significantly enhancing users' intelligent mobility experience.



**3000+ New energy talents, more than 3500+ patented technologies,
Realized 100% Self-research Chinese new energy technology
system and solutions.**

Two Blue Action Plans

Plan1: Mainly focus on intelligent energy-saving and new energy vehicles,
including HEV, REEV, PHEV.

Plan2: Mainly focus on high-end intelligent pure electric vehicles.

Four Technology paths

Pure electric, Hybrid, Alternative fuel, Fuel cell



Build industry-leading full-stack self-research team for new energy technologies

Realize autonomous controllable new energy technologies supply ecosystem

Self-research new energy technologies, fully mastered module and pack technology, and realized mass production

By 2025, master the lithium-ion, sodium-ion battery technology, and synchronize the research of semi-solid and solid-state battery technology.

Strong alliance to expand the industry chain

Established joint venture factories with to form a diversified layout of batteries. several strategic partners.

Self-research and self-produced high-power motor with silicon carbide power chip

800V SiC electric drive, realizing a comprehensive efficiency of over 92%, a Max. power of over 475 kW, and acceleration under 3 seconds for 100 km



Battery Safety System

The Geely Battery Safety System is an exclusive technology for the Geely Galaxy, not only to prevent cell combustion but also to establish a comprehensive "blind spot-free" safety protection system. This system integrates architecture, vehicle design, intelligent control, and cloud technology, with 8 layers of protection to address battery safety issues at the systemic level.



Architecture Layer

Submarine-style Vehicle Safety Protection



Cell Layer

"Fire-Resistant and Explosion-Proof" Cells



Safety Testing Layer

Extreme Condition Battery Testing in All Scenarios



Human Health Layer

"Mother and Baby-Level" Electromagnetic Safety Protection
for Human Health



BMS Intelligent Management Layer

BMS 3.0 Battery Doctor



PACK Layer

"Tank-Level" Battery Structural Protection



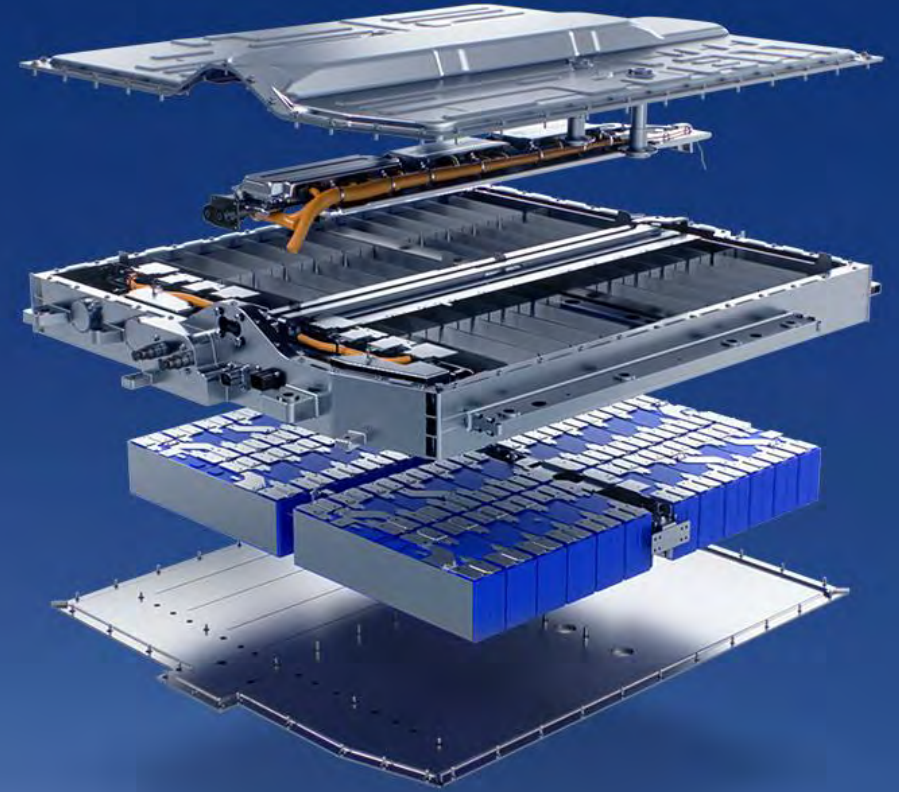
Design Layer

Ultra-Strict Design and Development System



Data Layer

"Geely Wise Star-Dubhe"
Cloud-Based Safety Monitoring



Technology has always been GEELY's first attribute.

Today GEELY's system strength is best era, which is fundamental to maintaining its core competitiveness.

GEELY has become the world's first automotive company with a comprehensive layout of smart terminals, including vehicle, chips, satellites, aircraft, smartphones.



GEELY implementing the "Intelligent GEELY 2025" strategy.

Building the "most comprehensive and advanced" electrification and intelligence system in the global automotive industry.



New Energy Technologies



Self-research Chip



Operating System



Satellite Connectivity



Intelligent Computing Center

GEELY EX5

GEELY's First Global Vehicle

Overseas Debuts with 8 Technologies





All-New Product Series Overseas Debut with the GEELEY EX5

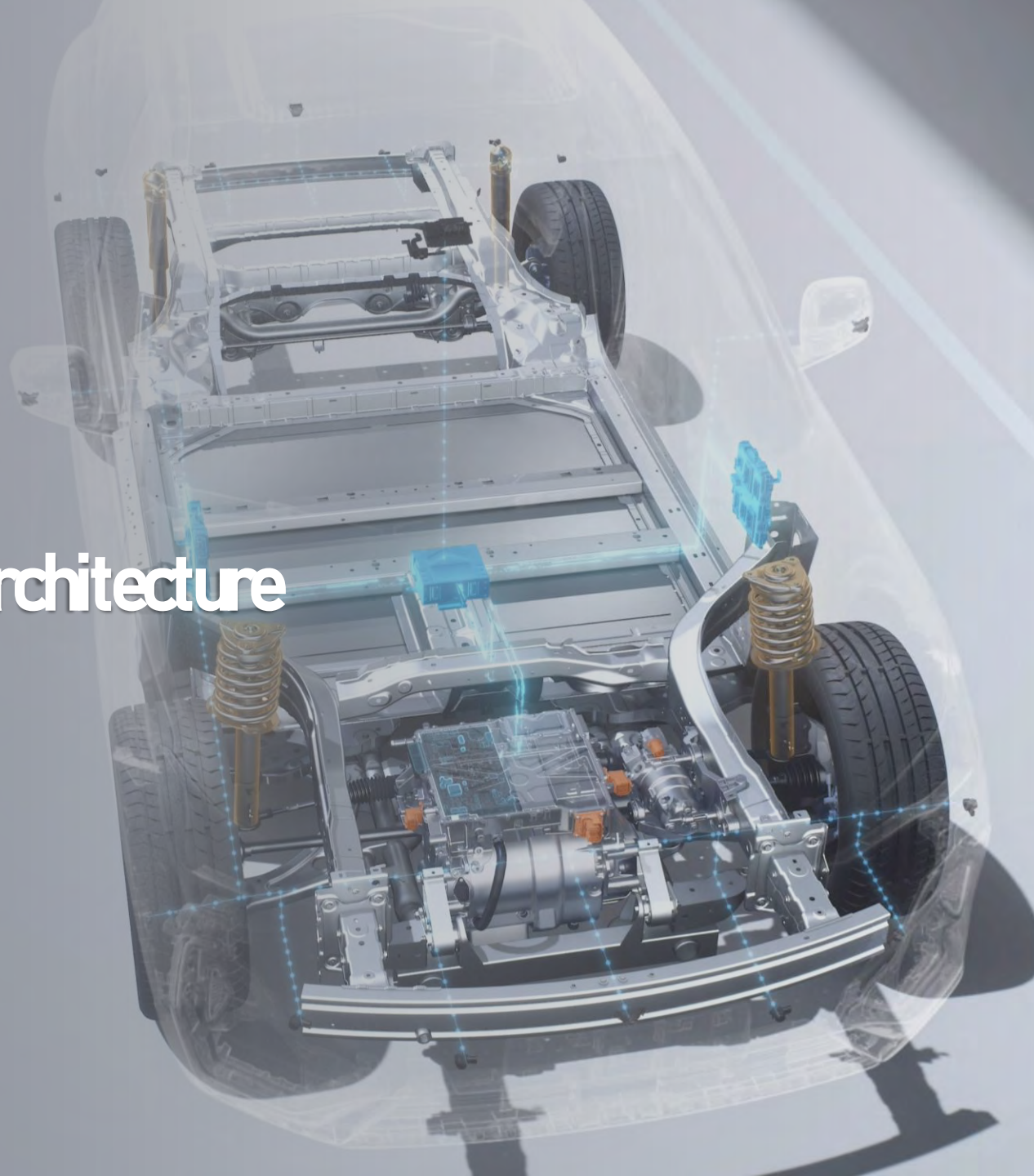


GEEA3.0

Electrical & Electronic Architecture

GEELY Brand's Overseas Debut

With GEELY EX5



GEEA3.0 Electronic & Electrical Architecture

The new electrical and electronic architecture GEEA 3.0, launched in 2025, is an architectural platform for ultimate intelligence and user experience at optimal cost bandwidth.



Intelligent Brain



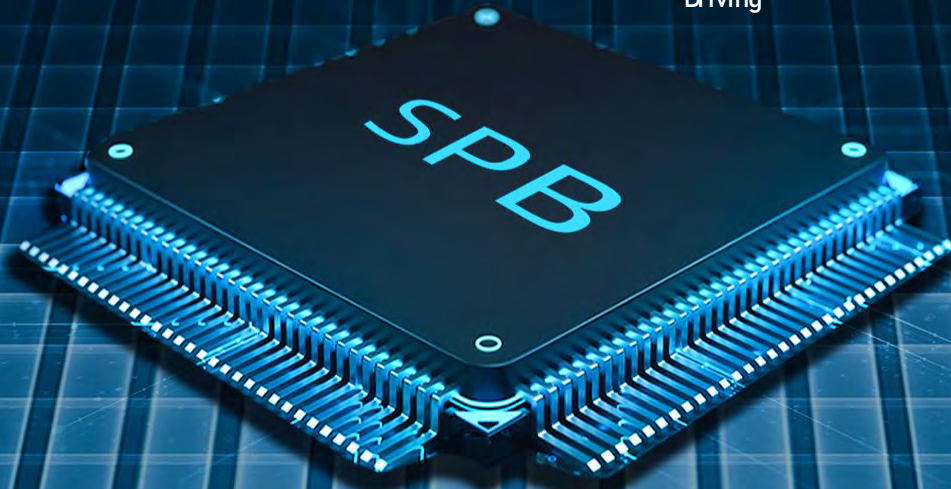
Neuro Network



High-level Intelligent
Driving

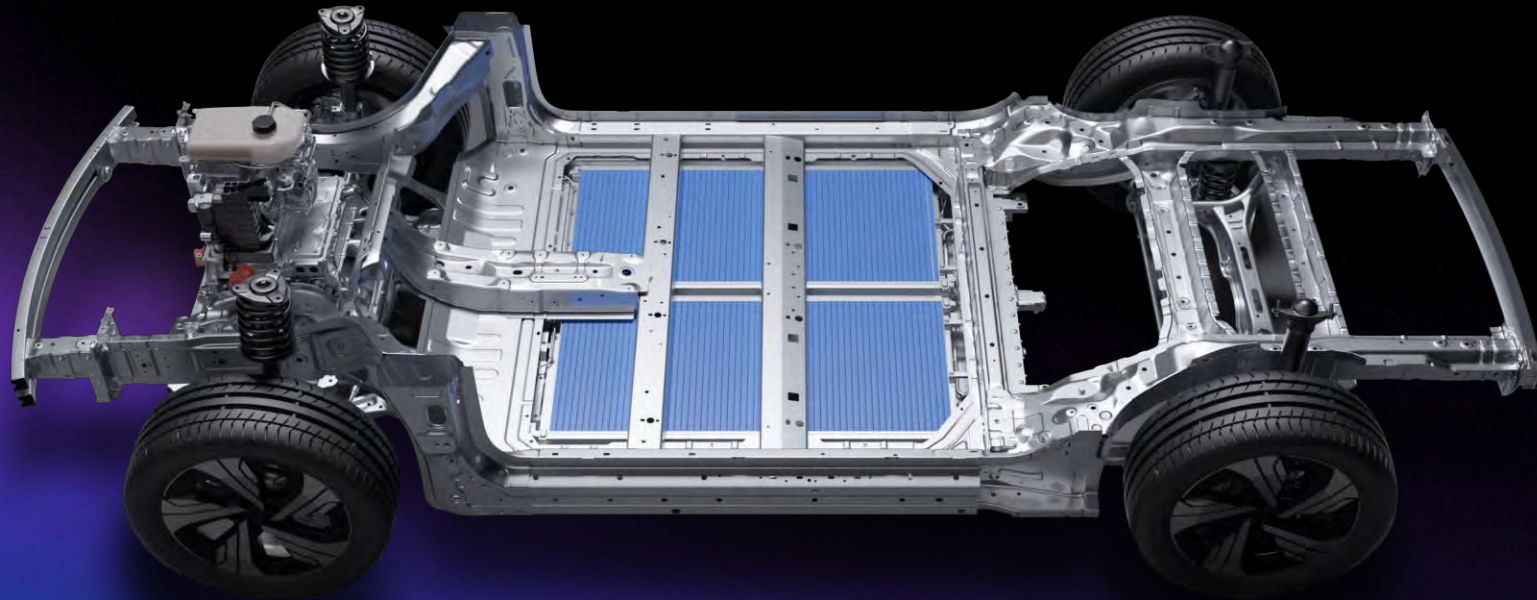


Vehicle OTA



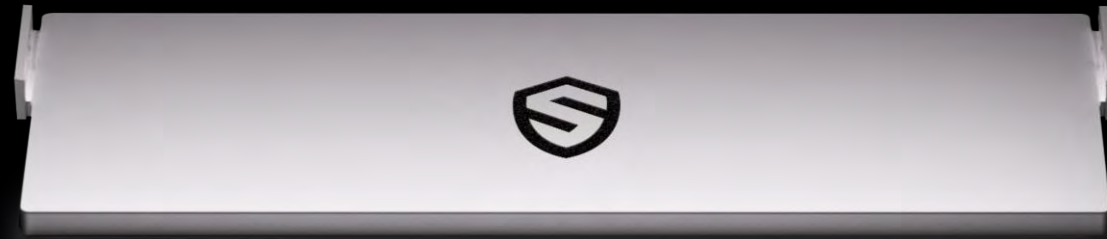
GEA Global Intelligent New Energy Architecture

GEELY Brand's Overseas Debut With GEELY EX5



New Generation Short Blade Battery

GEELY Brand's Overseas Debut With GEELY EX5



Flyme Auto

GEEELY Brand's Overseas Debut With GEEELY EX5

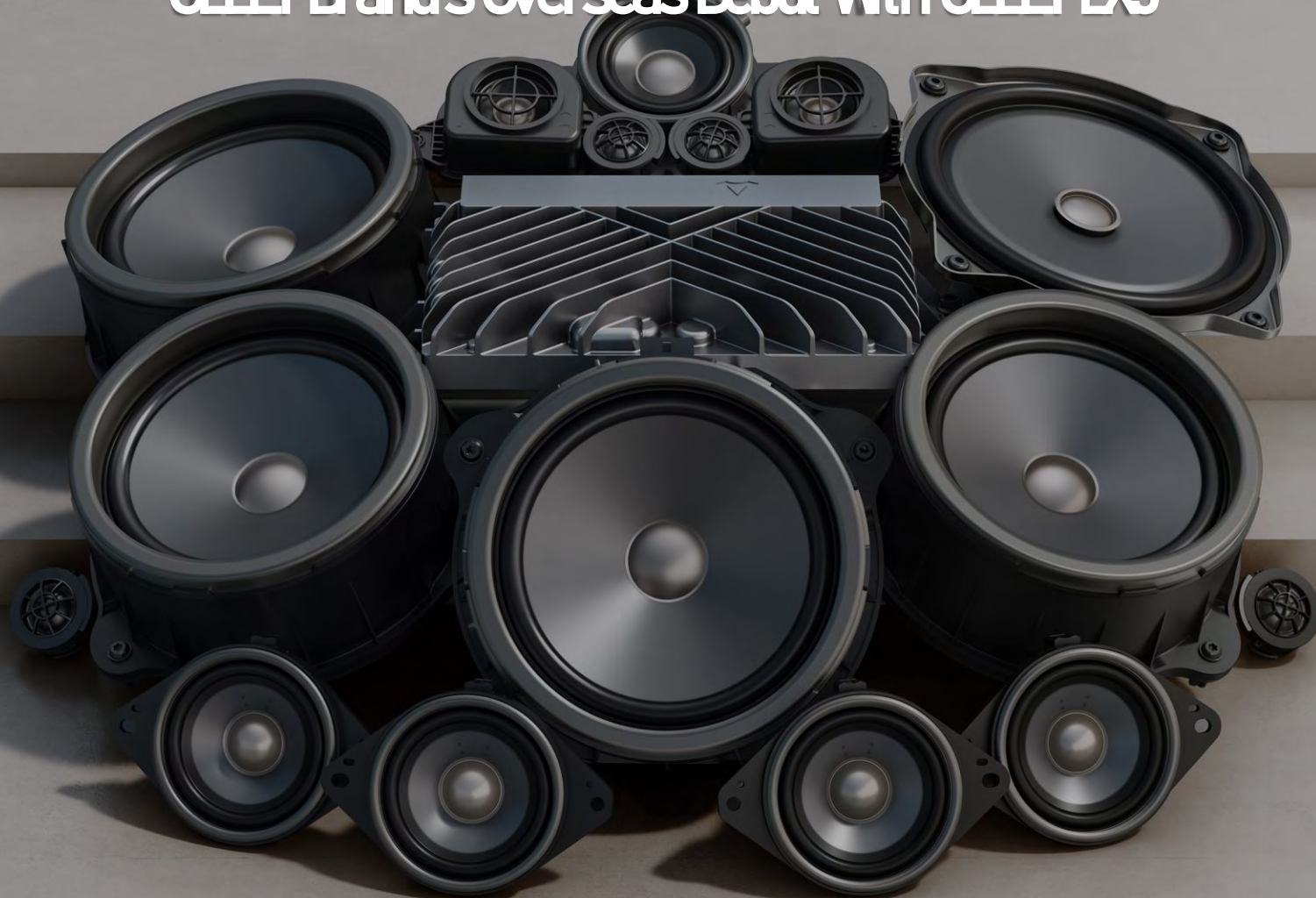


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#6

Flyme Sound Premium Audio System

GEELY Brand's Overseas Debut With GEELY EX5



#7



New L2 + ADAS

GEELY Brand's Overseas Debut With GEELY EX5



GEELY's Highest Safety Standards Overseas

GEELY Brand's Overseas Debut With GEELY EX5



EURO
NCAP



AUSTRALIA
NCAP

New Benchmark For Global Pure Electric SUVs

Meets access standards in 89 countries/regions worldwide





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GEELY Short Blade Battery

Shorter & Stronger

Better physical structure,

Leading in safety & performance in all aspects



-5.5%

Overall battery internal
resistance

+6.7%

Battery Energy Density

+8.7%

Low Temperature Power
Retention

+52%

Average Charge Rate



GEELY Short Blade Electric Core Puncture Test

Testing Standards Exceed Industry Standards by Eight Times

No Smoke, No Fire, No Explosion

Continuously Challenging Six Extreme Serial Tests

No Smoke, No Fire, No Explosion, All Parameters Normal After Resting



Dynamic Seawater Corrosion Immersion



Plateau Extreme Cold



High-Frequency Underbody Scraping



26T Overweight Rolling Back & Forth

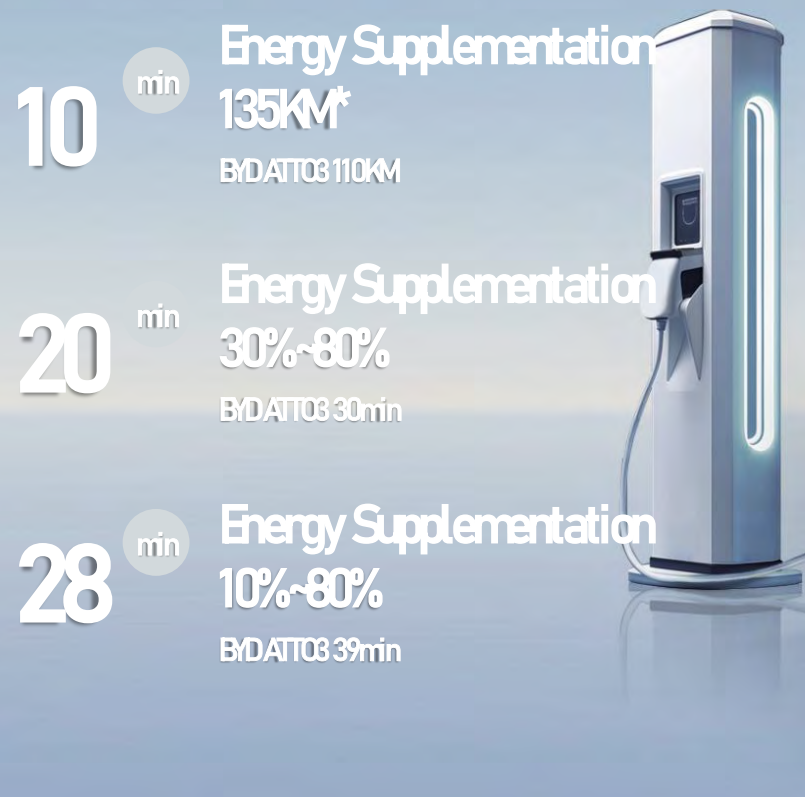


Single Package Side Pillar Collision



Flame Roasting

Charging Speed Exceeds Industry Average by 30%+



NOTE The range of 135 km is the tested value under CLTC conditions.

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The lifespan of the battery cell longer than industry
average 25%



Circle
3500
Cycle Lifespan



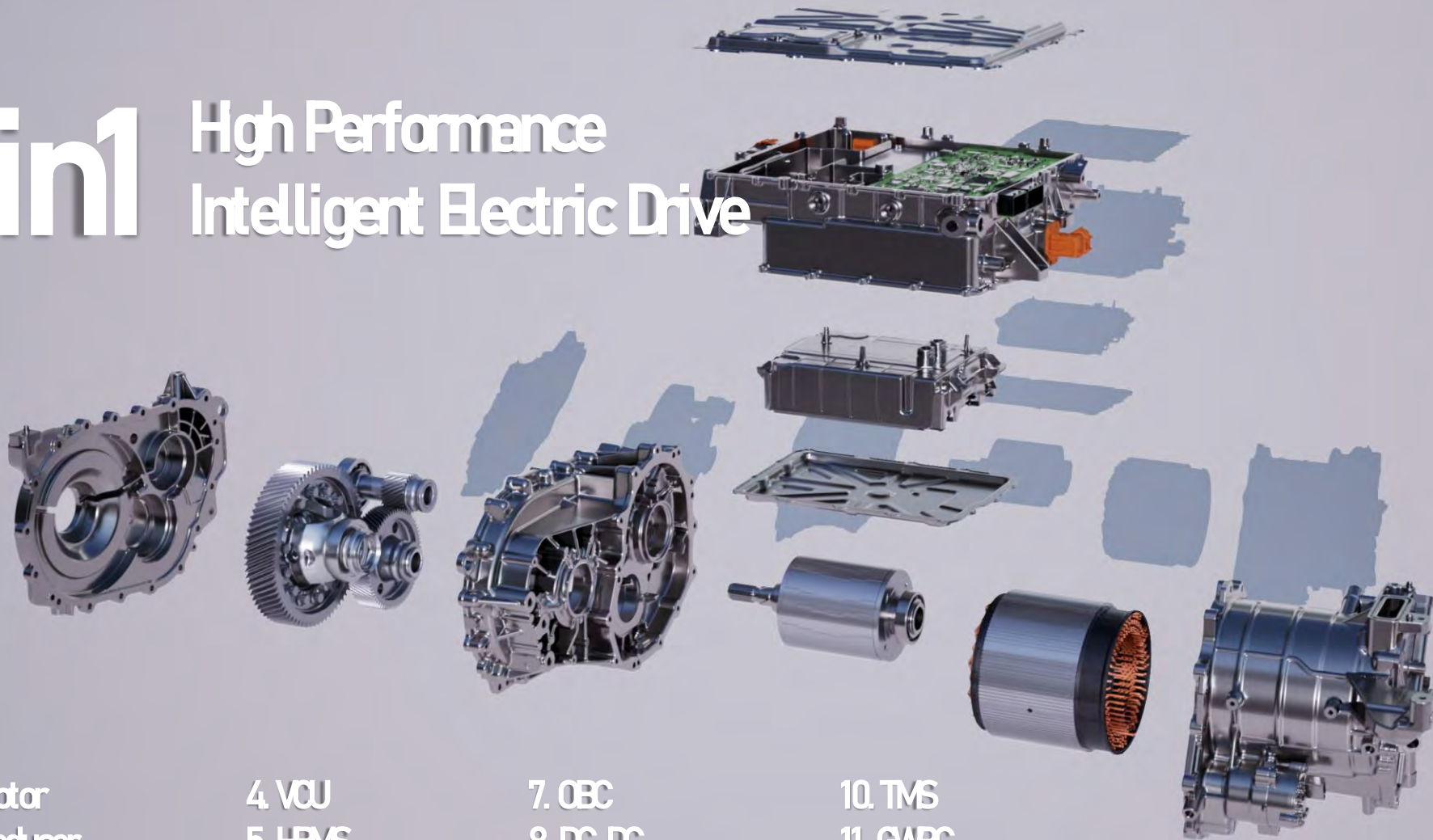
1,000,000 KM
Mileage Lifespan

Low-temperature range attainment over industry average +10%

Low temperature range retention	GEELY Short Blade Battery	BYD Blade Battery	Short Blade Battery Leadership
0°C	96.21%	90.32%	5.89%
-10°C	95.58%	88.62%	6.96%
-20°C	93.56%	83.26%	10.30%
-30°C	90.54%	78.96%	11.58%

11in1

High Performance Intelligent Electric Drive



- 1. Motor
- 2. Reducer
- 3. MCU

- 4. VCU
- 5. HBMS
- 6. LBMS

- 7. OBC
- 8. DC-DC
- 9. PDU

- 10. TMS
- 11. GRRC

11in1

High Performance Intelligent Electric Drive



160^{kW}

Best-in-Class Power

79.8^{KG}

Lightest-in-Class Weight

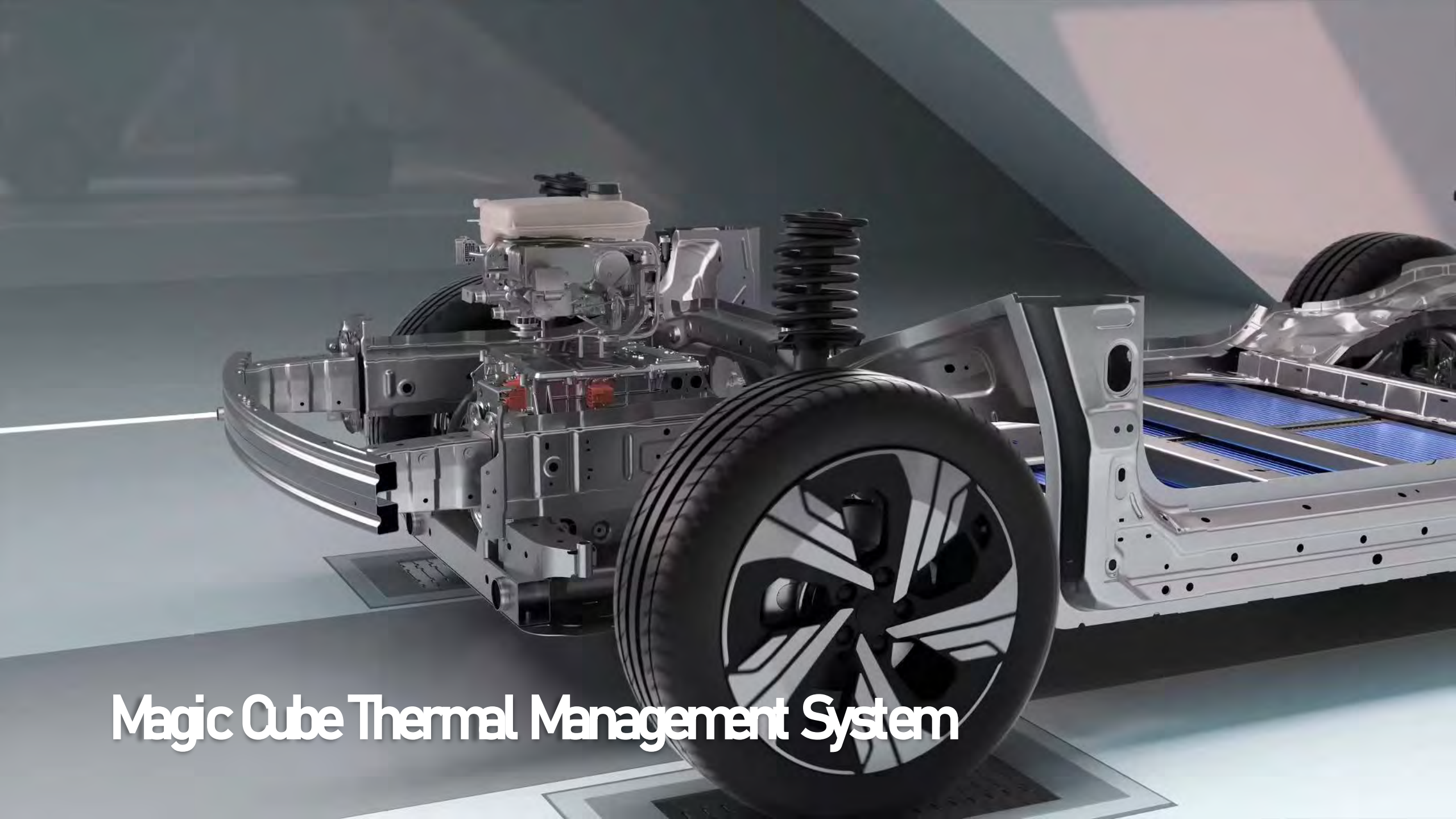
0.079^{M³}

Smallest-in-Class Volume

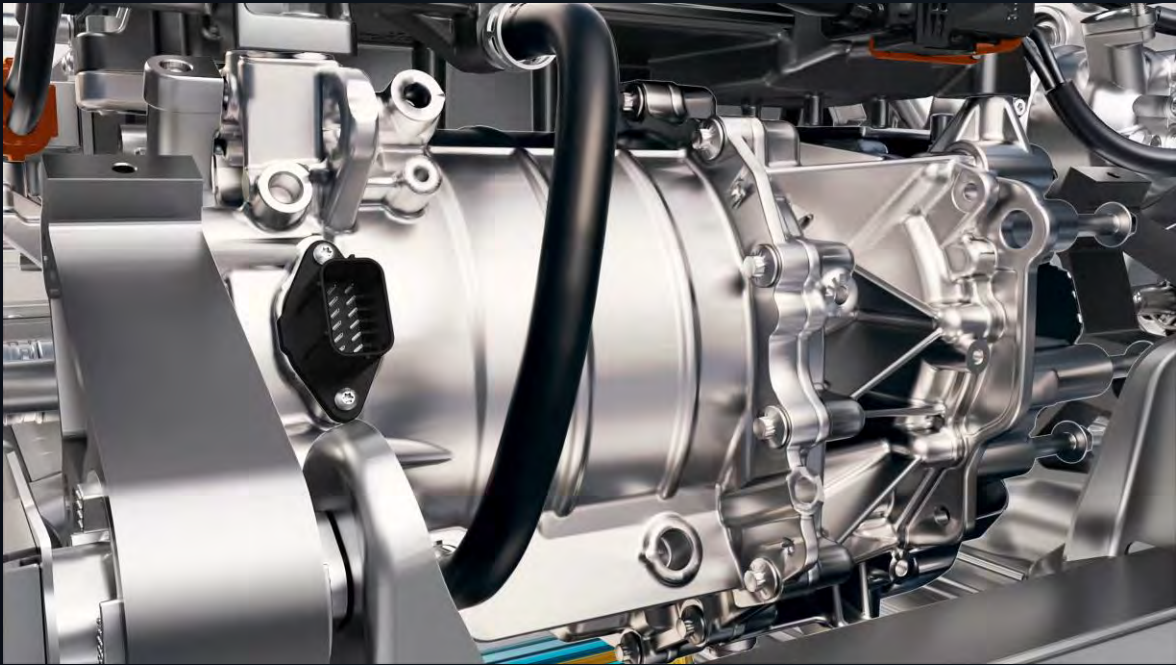


90.04% Top1 in the industry

**The highest IGBT electric drive efficiency in mass
production for the 400V platform**



Magic Cube Thermal Management System



Patent Technology



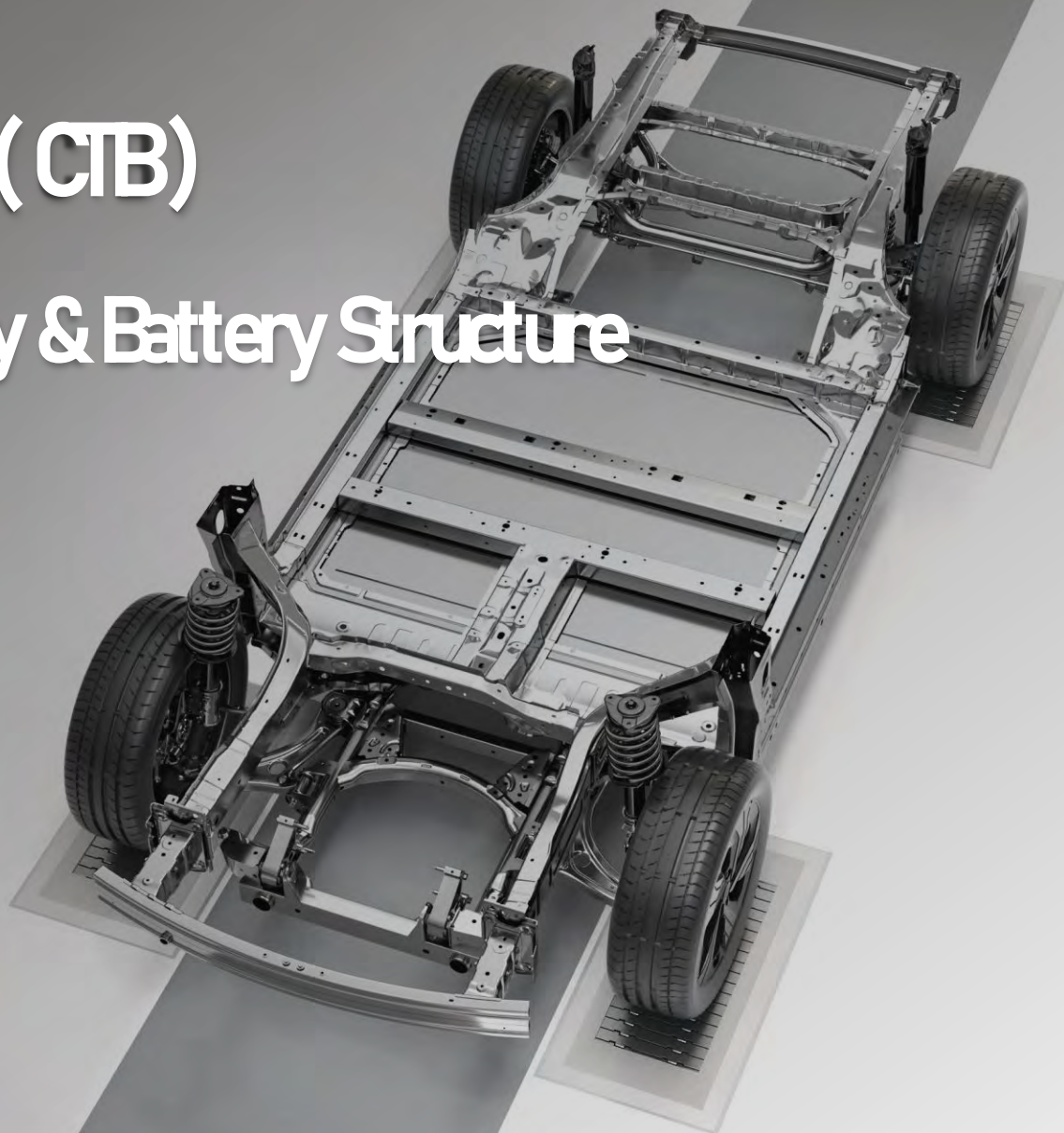
360° loop bidirectional oil cooling

Motor heat dissipation area increase 35%

Ensuring the motor keeping optimal condition

Cell-to-Body (CTB)

Integrated Body & Battery Structure





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Portable Power Station, V2L & V2V Discharge Functions

A photograph of a luxury first-class airplane cabin. The view is from a passenger's perspective, looking towards a cream-colored leather seat with a quilted diamond pattern on the backrest and seat cushion. The seat is positioned next to a polished, curved wooden table. Above the table, three oval-shaped windows are visible, each with a white frame and a black handle, showing a view of a blue sky with white clouds. The cabin walls are a light beige color, and the floor is dark. The overall atmosphere is one of comfort and luxury.

Enjoy First-class Cabin

C-Class Size, D-Class Space

Providing first-class comfort & enjoyment to users



67.2% Vehicle's Space Utilization Rate Highest in its class



Front Row—Enjoy First-Class Cabin Comforts

Fully Equipment with Optimal Comfort

- Front row 3-level ventilation
- Front row 3-level heating
- Front row 8-point massage
- 3-level massage intensity
- 6 massage modes*
- Driver's seat headrest speaker
- Driver's seat 6-way power adjustment
- Front seat memory function
- Front seat active entry and exit assistance*
- Passenger seat 4-way power adjustment
- Passenger seat 2-way leg support
- Seats fully recline

NOTE 6 massage modes are as follows:

Wave - Gradual Release, Cat Walk - Alternating Acupressure, Serpentine - Circulatory Stimulating,
Shoulder - Gentle Back Massage, Lumbar - Massage good for Kidney, Crawling - Relaxation and Stress Relief.
The Pan-European and RHD-High do not have the passenger seat active entry and exit feature.

A close-up, side-profile view of a light blue car. The car has a modern, aerodynamic design. A side mirror is visible on the front door. The door handle is a sleek, horizontal slot. The car is parked on a light-colored surface, and the background is a clear blue sky.

Driver's Seat Active Entry & Exit

Exhibit a premium experience in details

Front Row First-Class Comfort Seat with 5+1 Layer Cushion

An additional layer of zero-sensation soothing
An extra layer of enjoyment



Note: The Zero Sensation Soothing Layer utilizes zero-pressure slow-rebound technology to provide a calming and pressure-relieving effect throughout the entire structure. It also ensures even distribution of body pressure, enhances shock absorption and support, and maintains the most optimal pressure reduction effect.

Spacious Rear First-Class Cabin

Providing comfort all around

	Vehicle Body Dimensions L-W-H-WB	Cabin Space Utilization Efficiency %	Interior Cabin Length MM	Rear Legroom MM	Rear Headroom MM	Rear Seat Cushion Width MM	Rear Seat Back Angle DEG
GEELY EX5	4,615-1,901-1,670-2,750	67.2	3,101	1,005	1,001	1,345	30°/35°
BYD ATTO3	4,455-1,875-1,615-2,720	66.5	2,941	892	978	1,330	25°
MB GLC	4,826-1,890-1,714-2,977	65.4	3,158	1,006	1,005	1,350	23.5°



Library-level Quiet Space, Tranquil Cabin Experience

Vehicle's noise level is 68.3dB at 120km/h, In-car voice clarity of up to 69.5%.

1.18 M² Oversized Panoramic Sunroof Enjoy the Expansive View

Multi-stage opening & closing

11-stage position
opening & closing

Equipped with electric
anti-pinch function

Intelligent Control

4 control modes

Button + Large screen + App + Voice control

Superior Insulation

Ultraviolet(UV) Blockage Rate: 93%

Heat Insulation Rate: Up to 61%

Intelligent Window Closing

Automatically closes sunroof in rainy weather

Prevents the risk of water pooling inside the
vehicle



256-color Breathing Ambient Light Full of Atmosphere Vibes

Breathing light

Displays a rhythmic effect like breathing with gentle variations in brightness

Gradient color turning

Dual-color selection
Ambient light continuously changes in a gradient manner

20 levels of brightness

Brightness has 0-20 level
Adjustment is a continuous display

6 Major Scenes

Call reminder, Welcome function, Voice assistant,
Air conditioning linkage, Driving association, Door opening warning

Unique in its class – Front seats fold flat

Completely Flat Back
Driver Seat
Pro

Completely Flat Back
Passenger Seat
Max

Rear seats fold flat
All Series
Pro+Max



Magic space, adapts to versatile life scenarios



Magic space, adapts to versatile life scenarios



Magic space, adapts to versatile life scenarios





HALF MORE

Storage Space Design Concept

Number of storage spaces, Capacity, Satisfied user scenarios

All exceed the industry average by half

**Class-Leading Largest
Door Panel Storage Space**



10.8L Hidden Arch Bridge Storage Space





Industry-Exclusive 14L Rear Super Storage Box

Class-Leading 1,877L Three-layer Design Trunk

302L

Flat Storage Space

108L

Sunken Expansion Space

51L

Sunken Storage Space

Extra-large Opening Power Tailgate

Max Width of 1.1M, User-friendly intelligent control design,
offering the best practicality in its class.

1.83M

Max. Opening Height, Distance from
Ground Level

Multiple Opening Modes

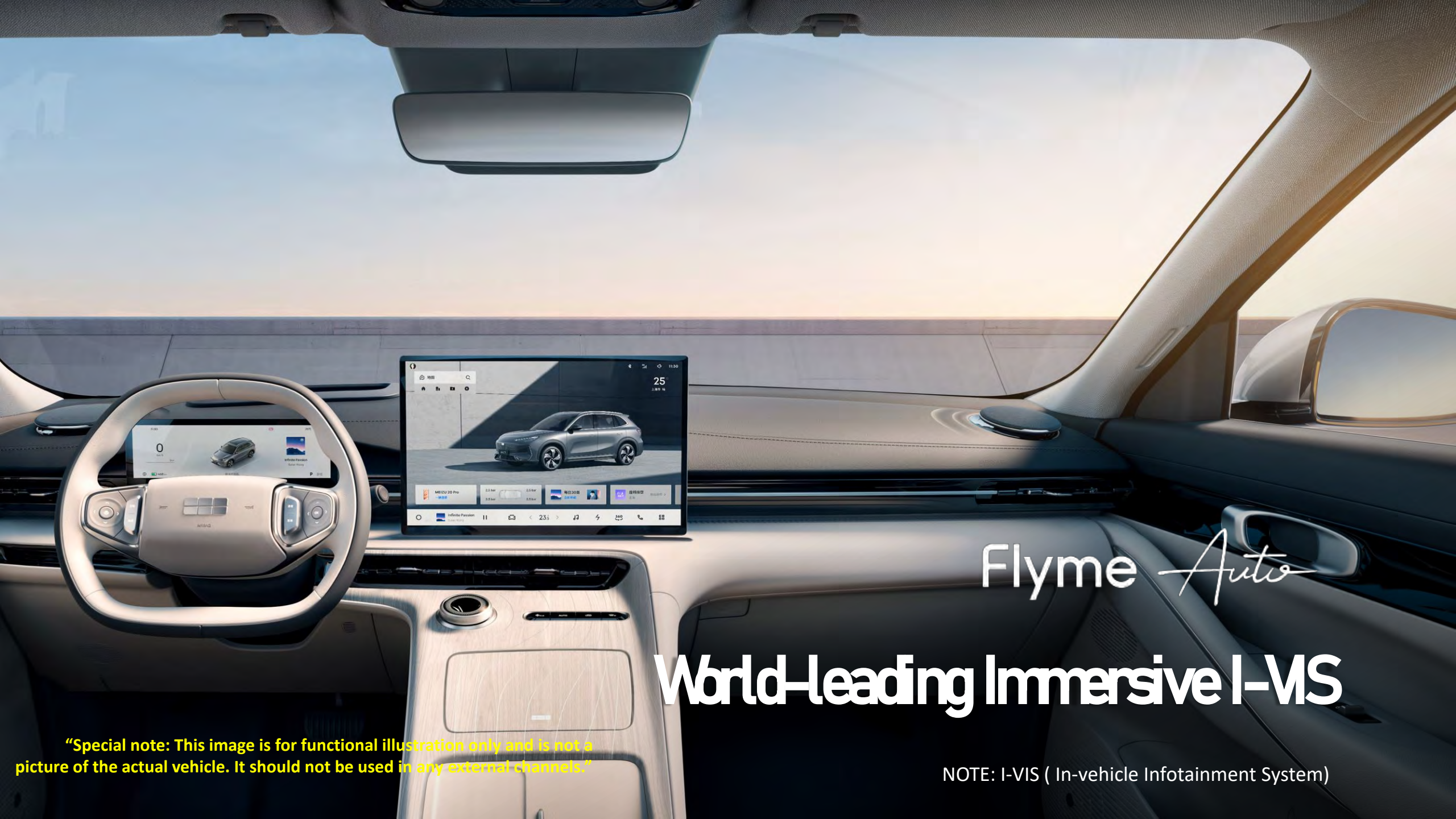
Key + App + Central Control Screen
+ Steering Wheel
Equipped with Trunk Emergency
Relief Valve

Five Adjustable Levels

Between 60%–100% Openness
Provide 5 Customizable Choices

Delayed Locking

After the key is removed,
Double-tap to Auto-lock



Flyme *Auto*

World-Leading Immersive I-VIS

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NOTE: I-VIS (In-vehicle Infotainment System)

7nm High-Performance Cabin Chip

Featuring robust computing and processing capabilities, the AI horsepower is double that of the Qualcomm Snapdragon 8155

Faster Response Speed

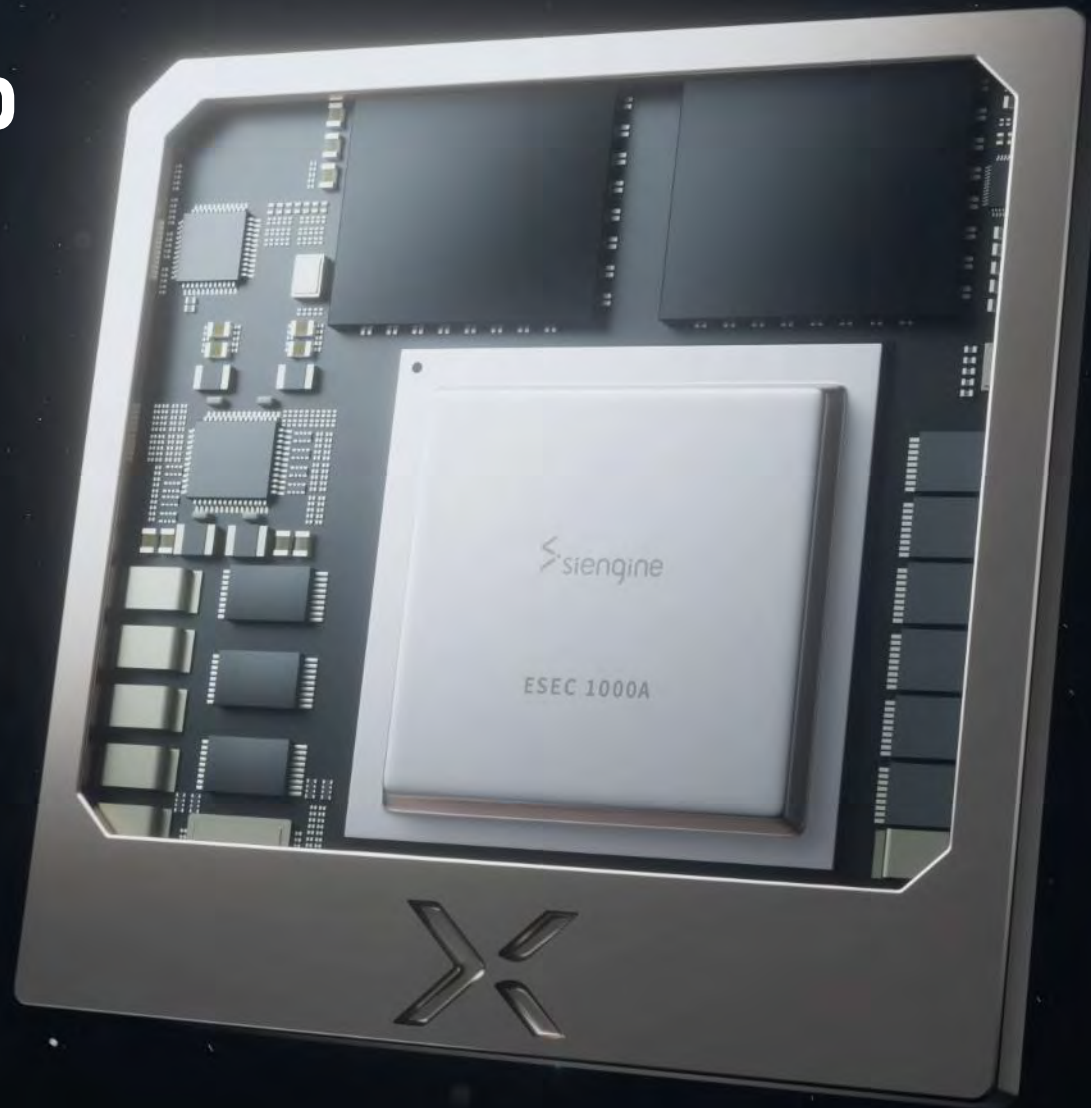


- 16GB RAM and 64GB ROM
- CPU 90KDIPS, 1.5 times the industry average

Clearer Sensory Experience



- GPU 900GFLOPS, 11 times the industry average
- Supports 2.5K HD video playback



15.4" HD Touch-Screen

2.5K Ultra High Definition Resolution

2560*1600px, 197 PPI, Delicate Visual Effect

800nit Ultra High Brightness, 85% Ultra High Color Saturation

LTPS LCD Display Technology

High Electron Mobility Ensures Smooth Image Display

Provides First-Class Visual Enjoyment for Watching Movies & Gaming

INCELL Integrated Touch Technology Foundation

Same INCELL Technology as iPhone

Accurately Captures Every Touch Operation

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10.2" LCD Instrument Cluster

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High Definition

Resolution 1920*532px HD resolution
Mercedes-Benz EOCs equally detailed
visual experience

Real-time Road Condition Display

Real-time display of current three-lane road
Displays key traffic
information
(signals & speed limits, etc.)

Customized card display

Multimedia, driving data, tire pressure
Define display information according to the user's
preference



13.8" Ultra-Large Format HUD

Clear Driving Information, No Need to Look Down



Brightness
12,000nits

Contrast
1,200:1

Resolution
800*480

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Mobile APP Remote Control

Remote Vehicle
Control

Online Vehicle Status
Monitoring

Online Vehicle Charging
Reservation

Online Vehicle
Location Tracking

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The image shows the interior of a car from a rear passenger perspective. A male driver in a light blue shirt is at the wheel, looking at a small screen on the steering wheel. A female passenger is seated next to him, holding a smartphone. The car's dashboard features a large central screen displaying a navigation map. The car is on a highway, and the sun is visible through the windshield.

Intelligent 4 Screens Integration

13.8" W-HUD+10.2" LCD Instrument Cluster +15.4" High-Definition Large Screen + CPAA & CarbitLink

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Hi Geely

Intelligent Online Voice Interaction





10 Languages, 200+ Voice Commands,
Voice control without manual intervention



11:07

地图



同意隐私政策以
使用天气服务
去同意 >



场景助手

设置你的专属场景



每日推荐

立即听歌



应用建议



Flyme Link

突破壁垒，打通无界生态

连接



14:16

地图



24°

观山湖区 阴



SMARTBAR

Multiple App Switching Quickly

应用建议



魅族手机
已连接



每日推荐
立即听歌



242 kPa

240 kPa



243 kPa

240 kPa



贝多芬：D大调第
基因三重奏



OFF



0



360



14:18



649米 入口

观清路辅路

随后256米

60

32公里 | 43 分钟

15:01到达

灯草塘隧道

金清立交

观清路

观清路

SMARTBAR

Multiple App Switching Quickly

200米

高德地图



29
全览

回到桌面



OFF

0



360

Built-in global mainstream audio and video application ecosystem



SPOTIFY



AMAZON
MUSIC



AUDIBLE



TUNEIN



RADION
LINE



CANDY
BLAST

More ecosystem applications are being launched successively...



Relaxation Space
One-click access to deeply customized scenario



15W Wireless Charging

Departure Phone with Vehicle reminder function; Touch-Screen provides an intelligent alert

FLYME SOUND Premium Audio System

Equipped with a 1000W independent power amplifier,
the sound quality is comparable to the sound of Berlin.

4 Tweeter

5 Midrange
Speaker

4 Woofer

2 Headrest
Speaker

1 Standalone
Subwoofer

Class-Exclusive Driver's Seat Headrest Speaker

Shared Mode

Sound plays throughout the entire vehicle
Headrest speakers are muted by default

Driver Mode

Navigation information, driver's phone calls
Play only through headrest speakers

Private Mode

All sounds played through headrest
Without affecting other passengers

Intelligent Mode

When passenger in the front seat
Automatically switches to Drive Mode



Opera House

With the strongest surround sound, it's like being in the center of the stage.



Recording Studio

Highly restores the original sound quality, providing the purest and most authentic listening experience.

Four major virtual venue sound effects, each time as immersive as being there in person



Concert

The vocal and bass performance is optimal, just like being on the scene.



Music Hall

The ambience and sense of place are optimal, just like being on the scene.



Multiple Function Intelligent Knob

16-item ADAS Function, Best-in-Class Smart Driving

AEB

Automatic Emergency
Braking

ACC

Adaptive Cruise
Control

ICC

Intelligent Cruise
Control

TSI

Traffic Sign
Information

LKA

Lane Keeping
Assist

ELKA

Emergency Lane
Keeping Assist

CMSF

Collision Mitigation
Support Front

CMSR

Collision Mitigation
Support Rear

FCTA

Front Cross
Traffic Alert

RCTA

Rear Cross
Traffic Alert

RCTB

Rear Cross
Traffic Brake

DOW

Doors Open
Warning

BSD

Blind Spots
Detection

ALC

Auto Lane
Change

LCA

Lanes Changing
Assistant

EMA

Evasive Maneuver
Assist

NOTE: For Pan Europe & RHD High MAX, ADAS is 1V5R, other RHD Low ADAS is 1V2R. Please refer to the specification sheet for actual vehicle functionality.

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6.75^s

Tested 0-100 km/h
Acceleration

Max. Power **160** kW

Max.
Torque **320** Nm

Actual
Max. Speed **180** km/h



NOTE The test result is the actual test value of Yancheng Automobile Testing Ground of China Automobile Center on 2024/06/25, the official value of 100km acceleration is 6.9s, and the official value of Max. speed is 175km/h.

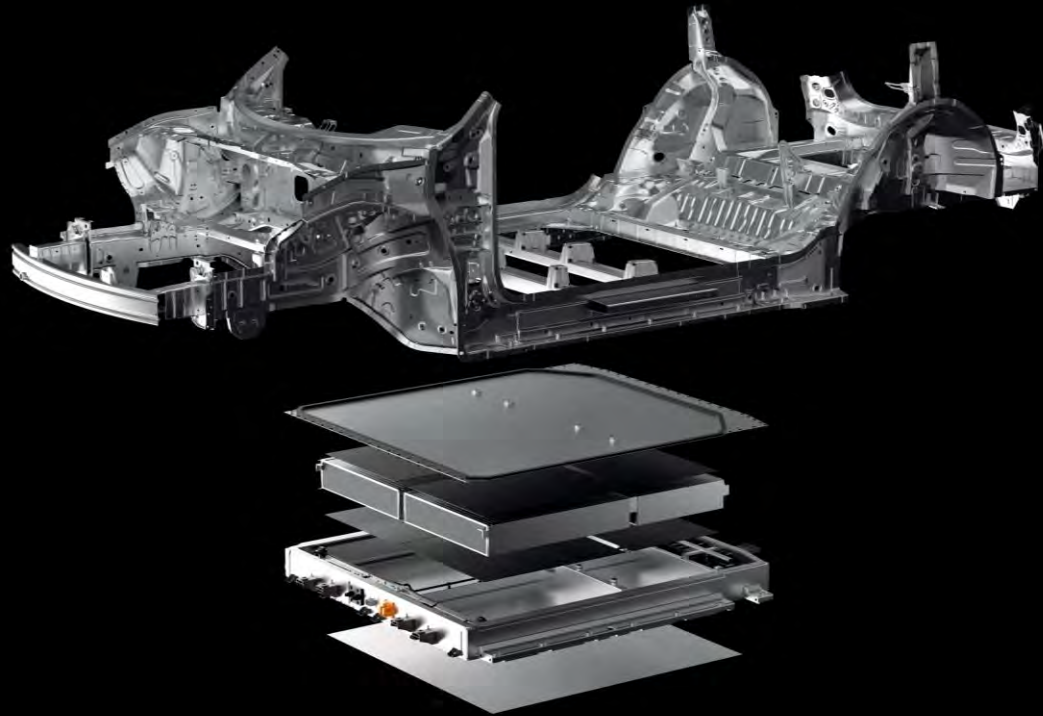
78^{km/h}

Moose Test



Cell-to-Body (CTB)

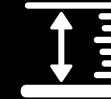
Integrated Body & Battery Structure



Stronger Battery

Protection

Side Collision Cell 0 Compression



Bigger

Cabin Space

Lower the floor height



Better

Torsional Stiffness

31000Nm/deg



More Stable

Control Experience

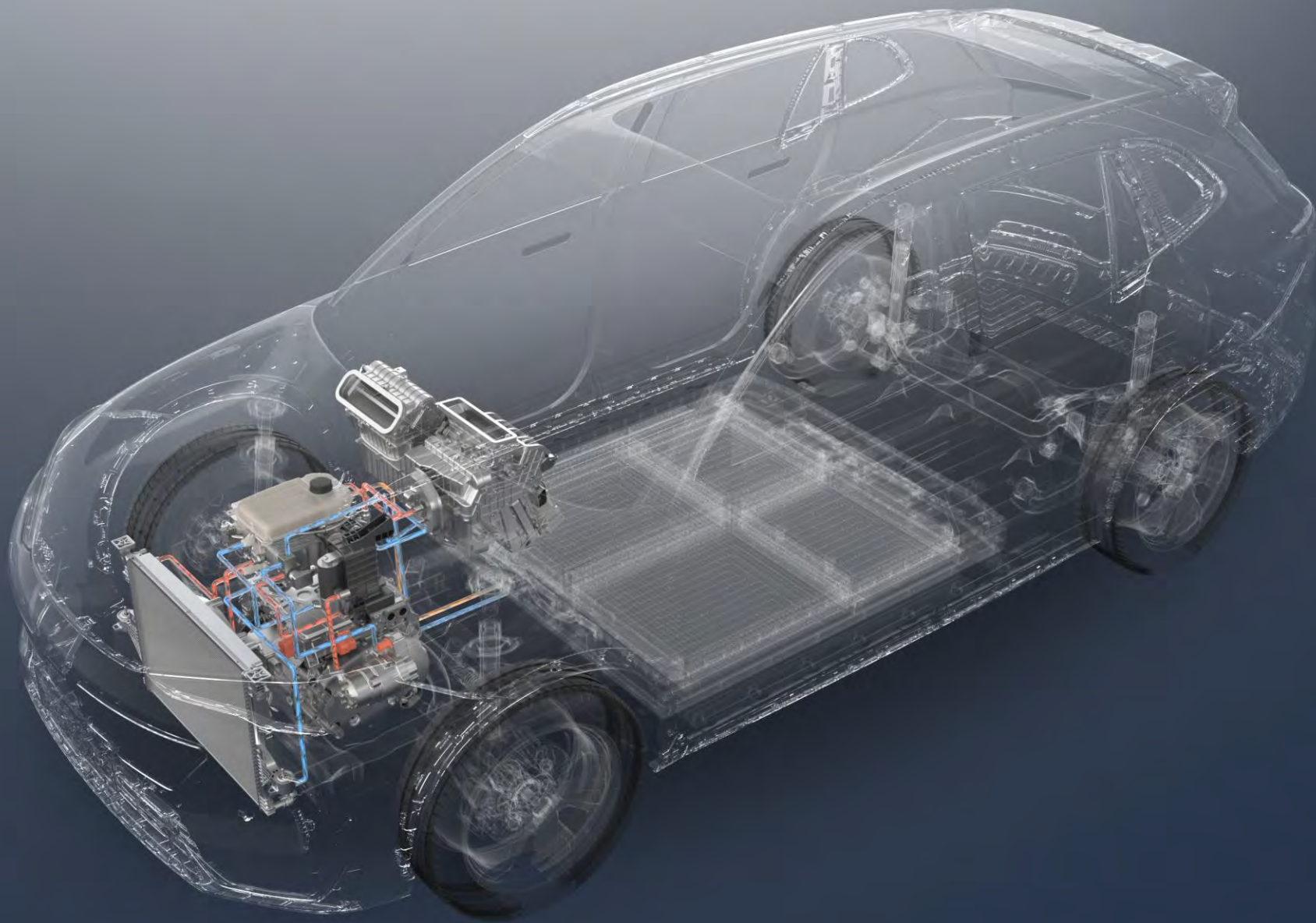
Lower center of gravity

NOTE CTB(Cell to Body) is a technology that further integrates the top cover of the battery with the floor of the body, evolving from the original "sandwich" structure of the battery pack into the "sandwich" structure of the entire vehicle.



Less slip than the same class products
(G-TCS) GEELY Traction Control System

50%+

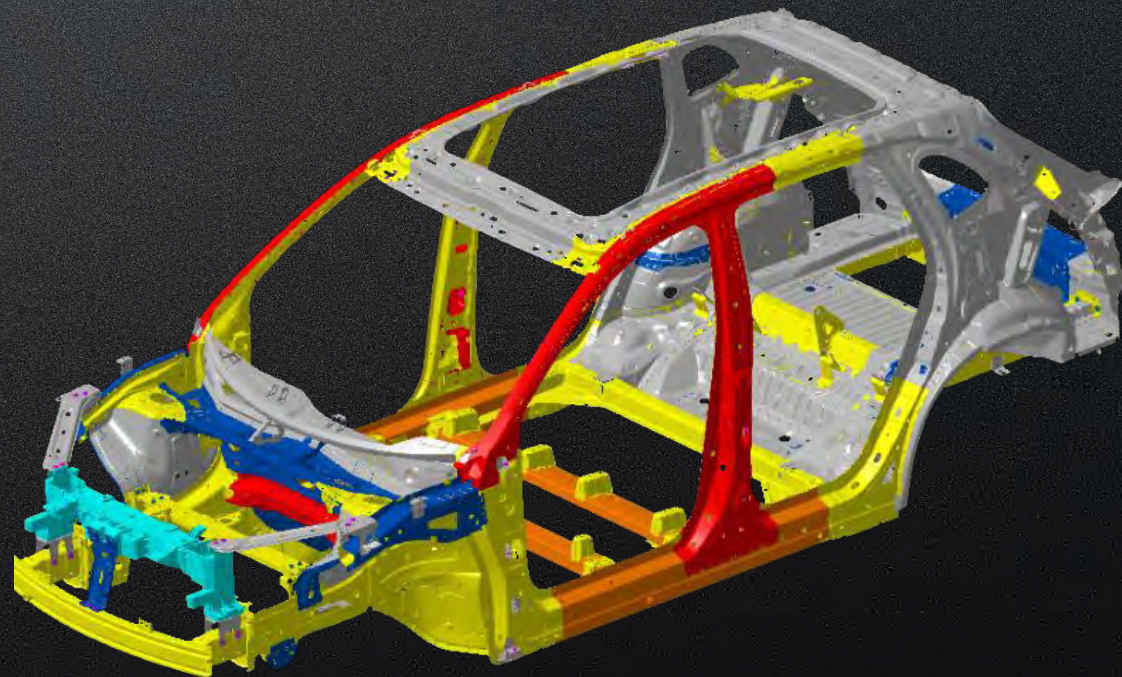
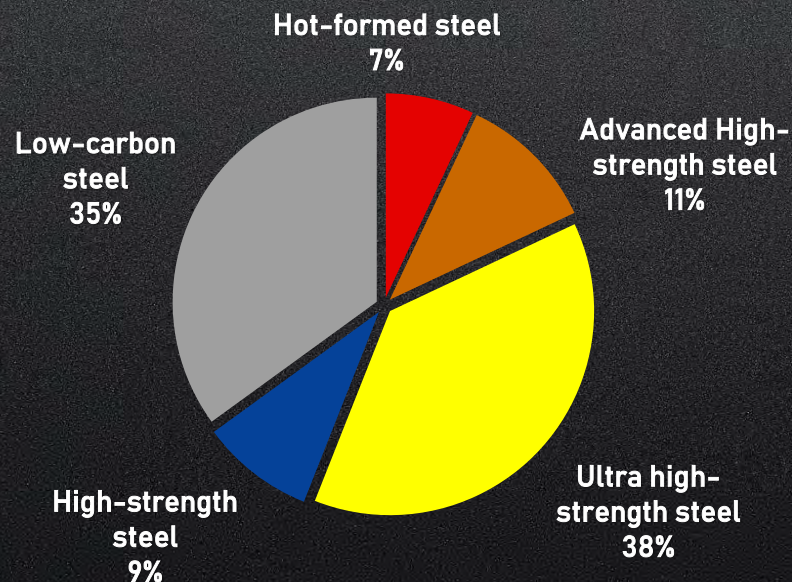




E-NCAP & A-NCAP Global Five-star Safety Standards

High-Strength Cage Body, High-Strength Steel Ratio 65%

- High-strength steel & Hot-stamped steel of underbody exceeding 80%.
- Aircraft-carrier central longitudinal, the highest material strength reaching 1,500Mpa.





8 Horizontals & 2 Verticals Vehicle Structure

- Five Major Safety Technologies: “Cloverleaf” energy dissipation structure, full collapse energy absorption box, secondary bending of the front longitudinal beams, motor submersion, subframe detachment.
- First in its class to apply cold-rolled DP (dual-phase) steel with a tensile strength limit of 1500 MPa, ensuring 0 compression of the battery cells in a side collision.

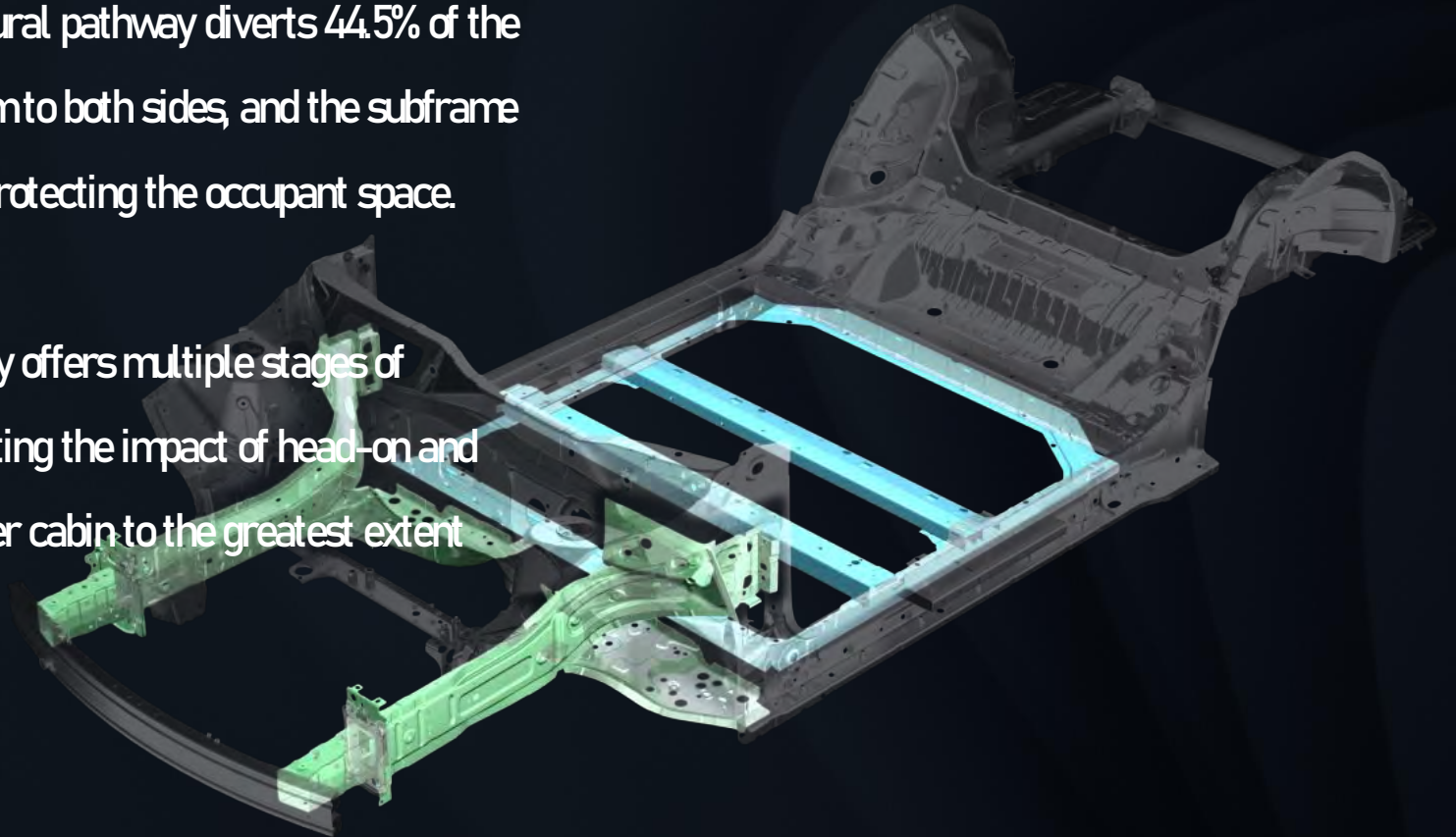


“000” Battery Compartment Structure, Protect the battery cell from 0 extrusion

- 26 fixed points connect the battery to the “000” battery compartment to form a whole, preventing instability of the body seat crossbeam when the side pillar is impacted.
- During a side pillar collision, two force-transferring paths are formed, one through the seat crossbeam and the other through the middle crossbeam, which maximizes the dispersion of collision energy, ensuring 0 compression of the battery cells.

“Cloverleaf” Energy Dissipation Structure

- The industry-unique force-transferring structural pathway diverts 44.5% of the collision force from the front longitudinal beam to both sides, and the subframe dissipates 39.7% of the impact force, greatly protecting the occupant space.
- The unique triple force-relief safety technology offers multiple stages of attenuation for collision forces, greatly mitigating the impact of head-on and offset severe collisions, ensuring the passenger cabin to the greatest extent possible.





All Series-7 Safety Airbags

Front dual airbags + Front side airbags + Side curtain airbags + Far-side airbag

Explanation of the difference in the number of safety airbags: Pan-European & R+D-High with 7 airbags, other regions with 6 airbags

Expansive Cabin View

2.9°

A-pillar blind spot angle
Smaller than industry 25%

0.605m²

Front windshield projection area
The largest in its class

7.14°

Forward-down perspective
Large than industry average 130m²

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BMS3.0 Battery Safety Guardian

Fastest high-voltage power-off in its class, 39ms Response, speed is faster than industry average 10 times

Precise Control & Prediction

Multidimensional AI decision-making algorithm with an accuracy rate of 95%.

High-voltage power-off in milliseconds

Power-off in 39ms after collision

Cell Regulation management

Precise regulation of cell state of charge to eliminate consistency deviations

Active temperature Control

All-weather safety monitoring, active use of isolation measures.

Ambient Temperature Adaptation

Intelligent battery temperature control ensures optimal standard.

Charging & Discharging Control

Intelligent matching of optimal charging power.



Cabin with three “0” healthy materials

CATARC authoritatively certifies 「China Healthy Car」

0

Asphalt

0

Miscellaneous Cotton

0

Organic Solvents



Comprehensive Pedestrian Safety Protection, Continuing GEELY's Life Safety First Philosophy

Patented design 1: Leg protection

The front bumper adopts the front and rear two-stage graded pressure collapse front bumper skeleton, which can absorb 1/3 of the energy of the collision, greatly reduce the risk of leg fracture.

Patented Design 2: Head Protection

In order to balance dent-resistant stiffness and pedestrian head protection, GEELY EX5 innovatively adopts dynamic and static-compatible hood reinforcement plate.

L2-ADAS, 360° Comprehensive Protection

Covering all kinds of driving environments, 360° active defense.

Active Protection

- LDW
- LKA
- BLKA



Rearward Protection

- RCW
- RCTA

Frontal Protection

- FCW
- AEB

Lateral Protection

- LCA
- BSD
- DOW

“Special note: This image is for functional illustration only and is not a picture of the actual vehicle. It should not be used in any external channels.”

Industry-leading vehicle safety protection, from safety body to collision protection, reflecting the most comprehensive safety qualities from the inside out.

Frontal Protection

Occupant compartment microvariation <40mm at
50km/h front impact condition.



Rearward protection

0 deformation of passenger compartment at
50km/h after impact.

Bottom protection

Two vehicle-level battery safety tests: 30km/h forward
bottom scraping
5km/h rearward bottom scraping.

Lateral Protection

Side column collision: 32km/h, "0 extrusion" of electric core.
Side impact: under 50km/h, the deformation of the passenger compartment does
not exceed 80mm the survival space is >500mm

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Song Dynasty Chinese Porcelain Concept

Pinnacle of Chinese Aesthetics





ALL LED Lens Headlight

1390lm

Brightness

177M

Distance

23M

Width



ALL LED Through-Type Taillights



Laser engraving



274 LED Beads



1.4M Through-type length

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Drag Coefficient of 0.269Cd in its class, lower than the bullet

24 leading aerodynamic drag-reducing designs, with a cumulative drop of 0.141Cd, a reduction of up to 35%.



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NOTE: Normal bullet drag coefficient is 0.295, Audi A6L 0.28, Audi e-tron 0.28, MB EQC 0.28, MB GLC 0.29, JAGUAR I-PACE 0.29, BYD ATTO3 0.29.