

# XPENG AEROHT

## Low-Altitude Air Mobility Explorer





### About XPENG AEROHT

XPENG AEROHT, an affiliate of XPENG, is the largest flying car company in Asia. Integrating intelligent vehicles and modern aviation, we are dedicated to producing the safest intelligent electric flying car for personal use. In the future, we will provide products and solutions in the field of 3D transportation.

### Corporate Highlights

- Talents:** XPENG AEROHT currently employs nearly 1,000 people, with an average age of 32 years old. Approximately 85% of the workforce consists of research and development (R&D) personnel, and over half of these individuals hold advanced degrees.
- R&D and Production Capabilities:** XPENG AEROHT showcases strong R&D and production capabilities with its first flying car trial production factory, covering 35,000 square meters for trial production and performance testing. Its comprehensive flying car testing system includes centers for prototype testing, powertrain testing, and ground integrated tests. Additionally, R&D centers in Guangzhou, Shanghai, and Shenzhen, along with three major flight bases in Guangzhou and Foshan, enhance XPENG AEROHT's flying car development and production capabilities.
- Financing and Funding:** XPENG AEROHT has secured significant financing and funding for its operations and development. On October 19th, 2021, the company raised over US\$500 million in Series A capital funding, the largest single-tranche fundraising in Asia's low-altitude flying vehicle sector, with a pre-funding valuation exceeding US\$1 billion. On June 30th, 2022, Rockets Capital provided additional investment in XPENG AEROHT. Additionally, on November 8th, 2022, XPENG AEROHT entered into a strategic cooperation partnership with four leading Chinese banks, resulting in a joint bank credit of RMB 6 billion. These financial milestones demonstrate strong investor confidence and support the company's growth and innovation in the flying car industry.

### Product Highlights

Product	eVTOL Flying Car Towards the Future of 3D Transportation	Modular Flying Car Expand Your Travel Experience
		
	<ul style="list-style-type: none"><li><b>Versatile Design:</b> XPENG AEROHT's fully electric vertical take-off and landing (eVTOL) flying car seamlessly transitions between air flight and road driving, with a sleek rotor fold-away system that enables quick shifts between the two modes.</li><li><b>Advanced Safety:</b> It features a new flight control system with fault-tolerant control functions and a dual-engine backup system for enhanced safety and reliability. The vehicle underwent successful tests, including multiple single-motor failure trials.</li></ul>	<ul style="list-style-type: none"><li><b>Innovative Modular Design:</b> The world's first mass-produced modular flying car, the XPENG AEROHT "Land Aircraft Carrier," seamlessly transitions between terrestrial and aerial modes. The ground module, designed to carry 4-5 passengers, houses the air module for land transportation. The air module enables vertical takeoff and low-altitude flight, offering versatile travel experiences from ground to sky.</li><li><b>Performance and Range:</b> The "Land Aircraft Carrier" is powered by the world's first 800V silicon carbide extended-range power platform, providing an industry-leading combined range of over 1000 km (CLTC) to meet long-distance travel needs with ease. Its 6-wheel drive system and rear-wheel steering offer superior load-bearing and off-road capabilities, enabling adventurous travel without compromise.</li></ul>
Details	<ul style="list-style-type: none"><li><b>Optimized Performance:</b> The flying car adopts a distributed multi-rotor configuration, optimizing from a previous horizontal dual-rotor structure to enhance flight safety and reliability. This adjustment reduces the overall design complexity and improves performance.</li><li><b>User-Friendly Operation:</b> In driving mode, the vehicle functions like a conventional car, while in flight mode, it is piloted using the steering wheel and right-hand gear lever for navigation. The flying car can take off and land vertically, allowing it to fly over traffic, obstacles, and rivers, serving a range of short-distance mobility needs in accordance with low-altitude airspace regulations.</li></ul>	<ul style="list-style-type: none"><li><b>Advanced Safety and Reliability:</b> Equipped with a distributed electric propulsion system and a 6-axis, 6-rotor configuration with reversible ducts, the air module adjusts millisecond-level algorithms in case of rotor failure. A multi-parachute rescue system ensures safe touchdown at low altitudes, providing added protection for passengers.</li><li><b>User-Friendly Operation:</b> The flying car features an intelligent cockpit with both manual and automatic modes. Its easy-to-operate system allows users to switch between land and flight modes seamlessly. The unique design of the air and ground modules enables effortless separation and combination, making the flying experience accessible and easy.</li></ul>