

MABARIKEN TECHNOLOGICAL FEATURES.



Drivability Features:

- . **Active Aerodynamics:** Utilizes movable aerodynamic elements such as spoilers and diffusers to optimize downforce and reduce drag at different speeds.
- . **Variable Ride Height:** Offers adjustable ride height for improved ground clearance and aerodynamic efficiency.
- . **Active Suspension:** Adapts damping and spring rates in real-time to enhance handling and ride comfort based on driving conditions.
- . **Torque Vectoring:** Distributes torque between individual wheels to improve traction, cornering performance, and stability.
- . **Carbon Fiber Monocoque:** Utilizes lightweight carbon fiber construction for the chassis to enhance rigidity, safety, and performance.



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- . **Regenerative Braking:** Recaptures energy during braking to recharge the battery and increase overall efficiency.
- . **Launch Control:** Optimizes acceleration from a standstill by managing engine power and traction to achieve maximum performance.
- . **Advanced Stability Control:** Incorporates sophisticated electronic stability control systems to maintain traction and stability in challenging driving situations.
- . **Active Rear-Wheel Steering:** Enables the rear wheels to turn in conjunction with the front wheels, enhancing agility and stability during cornering.
- . **High-Performance Tires:** Utilizes specially designed, ultra-high-performance tires to maximize grip and handling capabilities.
- . **Magic Sky Technology:** Changes the transparency of vehicle glass through crystals and electric current, providing customizable visibility and ambiance inside the cabin.

Interior Technology:

- . **Augmented Reality Heads-Up Display (HUD):** Projects vital driving information onto the windshield, overlaying real-time data such as speed, navigation, and vehicle status.
- . **Gesture Control:** Allows users to interact with infotainment and climate control systems using intuitive hand gestures, reducing distractions while driving.
- . **Biometric Authentication:** Incorporates fingerprint or facial recognition technology for secure access to vehicle features and personalized settings.



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- . **Carbon Fiber Trim:** Adorns the interior with carbon fiber accents for a sporty and luxurious aesthetic.
- . **Advanced Driver Monitoring System (DMS):** Utilizes cameras and sensors to monitor driver attentiveness and fatigue, providing alerts and assistance when necessary.
- . **Integrated Telemetry System:** Records and analyzes performance data such as lap times, acceleration, and G-forces for track enthusiasts.
- . **Remote Monitoring and Control:** Allows users to remotely access and control vehicle functions such as climate control, locking/unlocking, and vehicle diagnostics via a smartphone app.
- . **Customizable Driving Modes:** Offers selectable driving modes (e.g., Comfort, Sport, Track) that adjust parameters such as throttle response, suspension stiffness, and steering feel to suit different driving preferences and conditions.
- . **Advanced Lighting Technology:** Integrates adaptive LED headlights with automatic high-beam control and cornering illumination for improved visibility and safety.
- . **Active Noise Cancellation:** Uses sound-deadening materials and active noise cancellation technology to minimize cabin noise and enhance the driving experience.
- . **Coefficient of Drag:** Achieves a coefficient of drag between less than 0.2 to 0.1 for enhanced aerodynamic efficiency.
- . **Battery Technology:** Features a hybrid battery with a capacity of 100 kilowatts and the ability to charge from 0 to 80% in under 32 minutes.



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- . **Hyperscreen:** Incorporates a large, curved display panel that spans the width of the dashboard, offering intuitive controls and access to vehicle functions.
- . **0-60 MPH Acceleration:** Achieves 0-60 miles per hour acceleration in under 2.5 seconds for blistering performance.
- . **LED Bar:** Includes an LED light bar at the rear of the vehicle for enhanced visibility and a distinctive aesthetic.
- . **Surround-View Camera:** Provides a 360-degree view of the vehicle's surroundings for improved maneuverability and safety.
- . **Air Ride Suspension:** Offers a smooth and adjustable air ride suspension system for enhanced comfort and ride quality.
- . **Front Ride Lift:** Provides the ability to raise the front of the vehicle to navigate speed bumps, driveways, and other obstacles.
- . **All-Wheel Drive:** Utilizes all-wheel drive technology for improved traction and performance in various driving conditions.
- . **Mid-Engine Layout:** Positions the engine in the middle of the vehicle for optimal weight distribution and handling.
- . **Electric Motor:** Incorporates an electric motor in the front of the vehicle to complement the mid-engine layout and enhance overall performance.