
Ferrari's First Electric Car: Interior Praised, Exterior Criticised

Description

The Ferrari Luce features innovative electric motors that deliver impressive performance, with front motors generating 140 horsepower each and rear motors providing 415 horsepower. These motors are governed by advanced inverters—300 kW for the front and 600 kW for the rear—which also manage additional functions, such as powering the sophisticated 48-volt suspension dampers, developed by Multimatic and employed in several Ferrari models.

Despite its weight of 4,895 pounds (2,260 kg), the Luce's suspension is engineered to counterbalance this burden. It is heavier than the stripped-down Porsche Taycan Turbo GT but lighter than competitors like the Lucid Air Sapphire and the Mercedes-AMG GT. Potential buyers will find the Luce's pricing starts at €550,000 (£475,000), suggesting it could rival several other high-performance vehicles within the market.

To enhance driving dynamics, Ferrari has integrated a Vehicle Control Unit that meticulously monitors the power and grip at each wheel. This system uses real-time data to adjust torque delivery based on varying conditions and driver inputs. The integration of this technology is essential for optimising the handling of the Luce.

The functionality of two paddles located behind the steering wheel adds another layer of interaction. Unlike in some models that modify regenerative braking, the left paddle increases this braking force while decreasing power output. Conversely, the right paddle decreases regenerative braking but increases torque. This dual functionality allows drivers to manage their driving experience intuitively, aiding in cornering and acceleration.

Looking ahead, Ferrari is expected to continue refining the Luce, enhancing both its performance features and driving experience. This car represents a significant advancement in electric performance, marking Ferrari's commitment to innovation in the automotive field.

Vocabulary List:

1. **inverters** //ɪn'vɜːtərz// (noun): device that changes battery electricity for electric motors
2. **suspension** //sə'spɛnʃən// (noun): car parts that hold and control the wheels
3. **torque** //tɔːrk// (noun): twisting force that makes something turn
4. **regenerative** //rɪ'dʒɛnəreɪtɪv// (adjective): describes systems that recover energy when slowing
5. **integrated** //ɪntə'greɪtɪd// (verb): put together as part of a whole system
6. **monitors** //ˈmɒnətərz// (verb): checks things often to see their condition



Comprehension Questions

Multiple Choice

1. What is the horsepower generated by each front motor in the Ferrari Luce?

- Option: 140 horsepower
- Option: 300 horsepower
- Option: 415 horsepower
- Option: 600 horsepower

2. What is the starting price of the Ferrari Luce?

- Option: €500,000
- Option: €550,000
- Option: €600,000
- Option: €650,000

3. Which company developed the 48-volt suspension dampers used in the Ferrari Luce?

- Option: Bosch
- Option: Multimatic
- Option: Brembo
- Option: Pirelli

4. How much does the Ferrari Luce weigh?

- Option: 4,500 pounds
- Option: 4,895 pounds
- Option: 5,000 pounds
- Option: 5,500 pounds

5. What feature does the Vehicle Control Unit of the Luce optimize?

- Option: Fuel efficiency
- Option: Cargo space
- Option: Handling
- Option: Comfort

6. Which car is heavier than the Ferrari Luce?

- Option: Lucid Air Sapphire



- Option: Porsche Taycan Turbo GT
- Option: Mercedes-AMG GT
- Option: None of the above

True-False

- 7. The rear motors of the Ferrari Luce provide 300 horsepower.
- 8. The Ferrari Luce weighs less than the Porsche Taycan Turbo GT.
- 9. The Ferrari Luce has integrated a Vehicle Control Unit for improved driving dynamics.
- 10. The left paddle behind the steering wheel decreases regenerative braking.
- 11. Ferrari is expected to continue refining the Luce in the future.
- 12. The Luce represents Ferrari's commitment to gasoline-powered performance.

Gap-Fill

- 13. The Ferrari Luce's front motors generate _____ horsepower each.
- 14. The Luce weighs _____ pounds.
- 15. The starting price of the Ferrari Luce is € _____ ,000.
- 16. The suspension dampers are developed by _____ and used in several Ferrari models.
- 17. The left paddle increases regenerative braking while the right paddle _____ regenerative braking.
- 18. The weight of the Luce is heavier than the stripped-down Porsche Taycan Turbo GT but lighter than the _____ Air Sapphire.

Answer

Multiple Choice: 1. 140 horsepower 2. €550,000 3. Multimatic 4. 4,895 pounds 5. Handling 6. Lucid Air Sapphire



True-False: 7. False 8. False 9. True 10. False 11. True 12. False

Gap-Fill: 13. 140 14. 4,895 15. 550 16. Multimatic 17. decreases 18. Lucid

Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. What term describes the ability of a system to handle a growing amount of work?
Option: Sustainability
Option: Scalability
Option: Reliability
Option: Efficiency
2. Which of the following best defines a company's ability to generate profit?
Option: Profitability
Option: Market Share
Option: Revenue
Option: Liquidity
3. What term is used for systems that can operate independently without human intervention?
Option: Automatic
Option: Autonomous
Option: Assisted
Option: Manual
4. Which word refers to significant developments or improvements, especially in technology?
Option: Setbacks
Option: Advancements
Option: Declines
Option: Diminishing
5. What is formed when two or more parties work together on a project?
Option: Contracts
Option: Collaborations
Option: Competitions
Option: Conflicts
6. Which word best describes a process that is strict, demanding, and thorough?
Option: Flexible
Option: Rigorous



Option: Lenient

Option: Casual

7. What term is used to describe something handed down by predecessors?

Option: Heritage

Option: Legacy

Option: Reputation

Option: Trend

8. What term means to improve or revise something significantly?

Option: Deteriorated

Option: Revamped

Option: Neglected

Option: Maintained

9. What term refers to the act of temporarily stopping something?

Option: Termination

Option: Suspension

Option: Continuation

Option: Acceleration

10. What adjective describes processes that renew or restore something?

Option: Destructive

Option: Regenerative

Option: Complacent

Option: Stagnant

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. The new car model features _____ driving capabilities that allow it to navigate without human input.

12. The startup plans to enhance its platform's _____ to accommodate more users as demand grows.

13. Improving operational efficiency is crucial for increasing the company's _____ in the next fiscal year.

14. Her contributions to science left a lasting _____ that continues to inspire future



generations.

15. The research study underwent a _____ review process to ensure its validity and accuracy.

16. The restaurant has been _____ with a new menu and modern decor to attract more customers.

17. Strategic _____ with tech firms have helped advance our project significantly.

18. Recent _____ in AI technology have transformed the way industries operate.

19. The athlete faced a temporary _____ from competition due to a doping violation.

20. This new treatment is known for its _____ properties that help repair damaged tissues.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. The design of the building was praised for its unique aesthetics, blending modern and traditional styles.
22. The renovations will commence next month and are expected to last for six weeks.
23. The new system includes advanced monitors that track performance metrics in real-time.
24. The solar energy setup includes high-efficiency inverters to convert sunlight into usable electricity.
25. The engine generates high torque, providing exceptional acceleration and performance on the road.
26. His actions were seen as an attempt to undermine the team's efforts, creating division among members.
27. The consequences of ignoring climate change can be quite grave for future generations.
28. The company unveiled its latest product at the annual tech expo, attracting considerable attention.



29. After several discussions, the team concluded that the new project was not feasible within the given timeframe.

30. The author subsequently retracted the controversial statement made in their earlier publication.

Answer

Multiple Choice: 1. Scalability 2. Profitability 3. Autonomous 4. Advancements 5. Collaborations 6. Rigorous 7. Legacy 8. Revamped 9. Suspension 10. Regenerative

Gap-Fill: 11. autonomous 12. scalability 13. profitability 14. legacy 15. rigorous 16. revamped 17. collaborations 18. advancements 19. suspension 20. regenerative

Matching sentence: 1. aesthetics 2. commence 3. monitors 4. inverters 5. torque 6. undermine 7. grave 8. unveiled 9. feasible 10. retracted

CATEGORY

1. Business - LEVEL6

POST TAG

1. amazing interior
2. C2
3. controversial exterior
4. electric car
5. ESL learning
6. esl news
7. Ferrari
8. Level 6

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Author

aimeeyoung99