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Subsidy scheme or price discount scheme? Mass adoption of electric vehicles under different market structures

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Highlights

- Nash equilibria under the two schemes in different market structures are derived.
- Market under subsidy scheme has more social welfare in monopoly than in duopoly.
- Market under subsidy scheme has less environment impacts in monopoly than in duopoly.
- Effective price and demands of electric vehicle in duopoly are the same under two schemes.
- Government with price discount scheme spends more to seek less environment impacts.

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