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Novel fuel cell/battery/supercapacitor hybrid power source for fuel cell hybrid electric vehicles

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Highlights

- Novel PEMFC/battery/SC hybrid power source proposed to be utilized in FCHEVs
- Higher efficiency (96.2%) compared to the state-of-the-art power sources of FCHEVs
- Highly accurate DC-link voltage regulation
- Providing higher speed (161km/h) compared to the state-of-the-art power sources
- Providing 0-100 km/h acceleration in 12.2 sec and significant cruising range (545km)

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