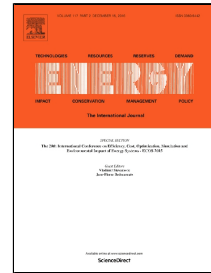


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Design Method of a Power Management Strategy for Variable Battery Capacities Range-Extended Electric Vehicles to Improve Energy Efficiency and Cost-Effectiveness



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Analysis method of powertrain energy efficiency and power distribution is proposed.

The power distribution rules of strategy with variable battery capacities are achieved.

The parametric method of proposed PSR-RB strategy is presented.

The energy efficiency of powertrain is analysis by flow analysis method.

The energy management strategy is global optimization-based and real-time.

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