

Thermal energy storage vehicle

Abstract As the global market transitions from conventional to renewable energy sources, the production of electric vehicles (EVs) has surged, presenting new challenges that ...

Energy consumption of HVAC unit, especially in winter season, can remarkably affect the range. This work evaluates the benefits of introducing a thermal energy storage able ...

In cold climates, a large portion of the battery power in an electric vehicle is used to provide heat to the cabin, which can result in a significant reduction in mileage. In order to ...

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