

ON A ENERGY SUPPLY COMBINED SYSTEM USED IN ELECTRIC VEHICLE

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Abstract: *Regarding the aspects of delivery/storage energy, electric vehicle offers the possibility to use various kinds of the renewable energy. The paper proposes a solution of a energy supply combined system for the electrical vehicles, using the batteries and supercapacitors. The energy combined system units are described and the electrical schemas are mathematic modeled. With Matlab Simulink software the mathematical model is implemented and the simulation results are presented.*

Key words: *electric vehicle, combined energy supply system, battery, supercapacitors, modeling and simulation.*

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