

Review of: "SUDA energy autárkeia system"

Jacek Biskupski¹

¹ Polish Academy of Sciences

Potential competing interests: No potential competing interests to declare.

General comments:

1. The abstract is too laconic and should be expanded.
2. No reference to the (abundant) literature, no analysis of the current state of knowledge.
3. No drawings showing the assembled electronic circuit that constitutes a useful battery.

Specific comments:

Although I do not consider myself an expert on supercapacitors, I would have some fundamental technical questions for the authors:

1. Have the authors performed experiments with a battery of supercapacitors, and if so, is it possible to see the results?
2. How was the known problem of combining individual capacitors into a useful battery solved?
 - 2.1 How did the authors guarantee a constant voltage at the outputs of such a battery?
 - 2.2 Were buck-boost inverters used, and what was their performance and purchase value in relation to the whole proposed battery?
 - 2.3 Did the authors ultimately envisage the proposed supercapacitors working instead of or in parallel (in combination) with the Li batteries?
4. The mentioned reference to the characteristics of lead-acid batteries is completely incomprehensible.