# Review of: "SUDA energy autárkeia system"

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Potential competing interests: No potential competing interests to declare.

In electrochemical systems, the breakdown voltage, primarily of the solvent, can significantly exceed the electrolysis limits. It is not universally applicable, as observed in most cases of water, that electrolysis occurs beyond the insulator (solvent) limit. Electrolysis, being an electrochemical irreversible process, can also manifest for ions within the electrochemical stability window of the solvent.

For a thorough understanding, I recommend reviewing the physical implications of equations 1.2 and 1.3.

The definition of the Nanogate Capacitor lacks clarity due to missing information, and there is a conceptual error present. It can be proven that both energy and power densities are directly linked to the number of single cell units in a capacitor module/pack. The design, whether in series or parallel connection, determines the amount of current/voltage that can be accommodated.
The paper is not ready for publication.