

An Opinion on Self Sustained Renewable Energy Generator

Alex Thomas*

Department of Automation, EEA Consultants FZC, United Arab Emirates

Editorial

Free energy or over unity energy devices continues to be subject of great research interest, largely due to the significant advantages it offers, despite the established scientific conclusion that it may not be possible.

There have been many claims of over unity devices, but till date due to lack of details none of these have been independently verified or validated, or are any commercially available.

“Self-Sustained Renewable Energy Generator” is one such over unity power generator, details of which have been published through the Innovative Energy and Research journal with the objective of getting extensive review and assessment by experts in the field, to evaluate its technical feasibility and discuss its impacts or interpretation with regard to the law of conservation of energy.

If and when developed into a working model, this could contradict or redefine the present accepted laws. Understandably till such a time a working prototype is developed, scepticism of an over unity device is likely to prevail.

Given the far reaching and significant outcome, the author has presented the functioning of the device with supporting calculation in sufficient details for experts in the field to arrive at a clear conclusion.

The advantages the device may offer towards climate change and ever increasing requirement of clean cheap energy cannot be ignored. It would provide the much desired solution for tackling global warming and ever increasing requirement of cheap energy. Its distributed nature supports speedy and mass installations, with the additional benefit that the supply would be independent of outages due to causes related to natural calamities, grid disturbances, or intentional hampering. This will greatly contribute to the improved standard of living without imposing the penalty of global warming for the future generations.

The key questions here being, does it tap sources of energy that current technologies ignore, probably yes, since the motive force in this case appears to be static pressure that is not depleted during process of energy conversion.

Till date, most of the power generation utilizes kinetic energy in some form that is depleted in the course of conversion to electric energy, whereas for the model provided, the motive force remains a fixed pressure, static in nature that do not experience any depletion. The actuator, that receives the input energy, subjects the piezo electric crystal to the motive force, and therefore the device does not mimic the input output relations of the existing power generators. It is interesting to note that the same motive force is used repeatedly to actuate multiple layers of crystals, to facilitate the conversion of mechanical energy to electric energy.

From a practical perspective and based on details offered, it appears probable that an over unity energy generator could eventually be a reality.

Assuming the collection of such energy may be subject to practical

refinement and further development, it may be possible to establish at the onset, that the generation of electric energy would be in excess of its consumption requirement, breaking with the present scientific tradition, based on the following,

1. 60 micro joules per actuation of piezo electric crystal for the applied force appears to be a practically fair consideration, and
2. The ability of the actuator to accomplish over 30 million or more actuations per second for the given input energy too appears practically possible.

Therefore it should be possible to conclude that at 30 Million actuations per second, about 1800 watts of energy can be generated with 1300 watts or less being required for actuator consumption.

Based on consideration of real possibility of an over unity device, a detailed look at the merits it offers would justify an effort to seriously pursue these.

This would revolutionize the low power sector such as homes and offices. Prevent the costs, losses and disruption associated with power transmission. The heavy home/office electrical consumers such as air conditioners, heaters etc. could come with inherent power supply requiring no hassle with positioning or modification to existing electrical design. A dual system for home/office lighting and small power system will ensure nearly 100% critical power availability, thereby reducing instances of complete power outage in almost all times and circumstances.

Adaptation of these generators in electric vehicle will extend their range initially, become self-charging when vehicle idle, and breakdown free with regard to loss of charge or need of recharge, and subject to improvements, probably replace the battery systems that are both expensive and heavy, and that remains the main hurdle till date for complete switching from fossil fuel based vehicles to electric vehicles.

The impact on reversal of global warming would also be significant. It could accelerate the objective of Paris Climate accord to try and limit temperature rise to within 2 degrees or preferably 1.5 degrees of pre industrialized levels. Power generation is the largest contributor to carbon dioxide emission, with transportation not far behind due to their primary dependence on fossil fuels. While adequate steps are in progress to switch to renewable energy source, the desired pace remains to be achieved, due to requirement of expensive back up battery systems to ensure continuous power supply, and additional

*Corresponding author: Alex Thomas, Department of Automation, EEA Consultants FZC, United Arab Emirates, Tel: 971504568132/ 918281370017; E-mail: alex.thomas@eeac-me.com

Received March 19, 2018; Accepted March 24, 2018; Published March 27, 2018

Citation: Thomas A (2018) An Opinion on Self Sustained Renewable Energy Generator. Innov Ener Res 7: e120. doi: 10.4172/2576-1463.1000e120

Copyright: © 2018 Thomas A. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

installed capacity needed to facilitate battery charging during periods of availability of motive energy, sunlight or wind.

In all probability, this may be the first time a detail functioning of over unity device is being published, with the hopes to engage as

many brilliant minds as possible to evaluate and voice their opinion and provide their inference on its technical feasibility. We would encourage expert's readers to freely voice their concerns and opinions, providing the much needed support and feedback intendent through its publication.