

Vehicle to Grid Potential for Solar Powered Electric Vehicle

Authors : Marcin Kowalski, Tomasz Wiktor, Piotr Ladonski, Krzysztof Bortnowski, Szymon Przybyl, Mateusz Grzesiak

Abstract : This paper provides a detailed overview of the so-called smart grid or vehicle-to-grid idea, including a description of our way of implementation. The primary targets of this paper are technical students, young constructors, visionaries, however more experienced designers may find useful ideas for developing their vehicles. The publication will also be useful for home-grown builders who want to save on electricity. This article as well summarizes the advantages and disadvantages of V2G solution and might be helpful for students teams planning to participate in Bridgestone World Solar Challenge.

Keywords : solar powered vehicle, vehicle to grid, electric car, v2g, bridgestone world solar challenge

Conference Title : ICEFET 2021 : International Conference on Environment-Friendly Energies and Technologies

Conference Location : Venice, Italy

Conference Dates : November 11-12, 2021