

Standards for EV charging and their usability for providing V2G services in the primary reserve market - DTU Orbit (08/11/2017)

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Transition to sustainable energy and transport is inevitable, which brings new challenges for the existing power grid. Meanwhile, electric vehicles (EVs) are becoming more widespread and their potential for grid support services is becoming more evident. However, such intelligent integration of EVs into a smart grid is highly dependent on infrastructure and communication. This work overviews and analyses the current state of available standards in the field of eMobility. It particularly focuses on their usability for enabling V2G services such as primary frequency regulation.

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