

Study on Ripple Current, Ripple Torque in Parallel Mode of Series Motor Four Quadrants DC Chopper for Electric Vehicles (Book Chapter)

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Abstract:

Parallel mode operation is one of the modes of operation offered by New series motor four quadrants DC chopper for Electric Vehicles (EV). This paper is to study about the parallel mode and the focus is to reduce ripple current and ripple torque. Matlab/Simulink software is used to establish the system under study and the simulation results indicate that the proposed technique can be used to reduce the ripple current and ripple torque during parallel mode. © 2022, The Author(s), under exclusive license to Springer Nature Switzerland AG.

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