URN etd-0407109-183706-392
Author Heng-Li Lin
Author's Email Address No Public.
Statistics This thesis had been viewed 84 times. Download 51 times.
Department
Year 2005
Semester 1
Degree Master
Type of Document Master's Thesis
Language zh-TW.Big5 Chinese
Title A Study of High Power Factor AC/DC Converter with Interleaved Boost and Push-Pull Conversion Topologys
Date of Defense 0000-00-00
Page Count 93

Keyword
power factor correction
interleaved

Abstract
The combined interleaved boost and push-pull dc/dc converter with the function of power factor correction is proposed in this paper. The interleaved boost converter is operated in discontinuous conduction mode and push-pull converter is designed to operate in both continuous and discontinuous conduction mode. A simple single loop of the voltage mode controller is adopted to control this proposed PFC converter. The operation mode of the proposed power factor correction converter is illustrated in this paper. Analysis results are simulated by IsSpice software to verify the feasibility of the combined interleaved boost and push-pull with PFC converter.
Advisory Committee Ching-Lung CHu - advisor

Files etd-0407109-183706-392-001.pdf

indicate access worldwide
Date of Submission 2006-08-18