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| **Title:** | Proposing a Technique to Design a Boost Converter Based Charger and Analysis on the Power and Efficiency | | |
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| **Abstract:** |  |
| This paper proposes a method to select the boost inductor and capacitor for effective battery charging. Mainly the boost inductor of the converter is designed, taking the charging current into account. Satisfactory results are seen and the inductor`s current is continuous as required by the converter. Finally, power and efficiency calculations are done to complete the research. | |