

Date : March 31, 2020

Dear Dr. Auzani Jidin
Editors in Chief
International Journal of Power Electronics and Drive Systems

We wish to submit a new manuscript entitled, “Design of a High Performance AC-DC LED Driver Based on SEPIC Topology” for consideration by the International Journal of Power Electronics and Drive Systems. We confirm that this work is original and has not been published in elsewhere or currently under consideration for publication elsewhere.

This manuscript proposes a constant current LED driver based on SEPIC where harmonics are reduced by optimization of SEPIC parameters. It also improves efficiency and power factor and it does not need extra component for harmonic reduction. A complete control circuit has also been designed in favour of reduced harmonics with soft start. The proposed constant current LED Driver operates with single switch, simple control circuit with reduced complexity and cost.

We believe that parametric optimization for reducing harmonics with double loop feedback control circuit would be a wonderful solution to improve power parameters like harmonic reduction, power factor improvement. Therefore we believe that this work will attract extensive attention from the readers of International Journal of Power Electronics and Drive Systems.

Please address all correspondence concerning this manuscript to Fouzia Ferdous, Email: fferdous91@gmail.com or ABM Harun-ur Rashid Email : abmhrashid@eee.buet.ac.bd

Thank you for consideration of this manuscript.

Yours sincerely,



ABM Harun-ur Rashid
Professor
Dept. of EEE
Bangladesh University of Engineering and Technology
Dhaka 100
BANGLADESH