

DAFTAR PUSTAKA

- [1] S. Silvestre, S. Member, A. Chouder, and E. Karatepe, "Global MPPT Scheme for Photovoltaic String Inverters Based on Restricted Voltage Window Search Algorithm," vol. 61, no. 7, pp. 3302–3312, 2014.
- [2] H. Hu, S. Harb, N. H. Kutkut, Z. J. Shen, and I. Batarseh, "A single-stage microinverter without using eletrolytic capacitors," *IEEE Trans. Power Electron.*, vol. 28, no. 6, pp. 2677–2687, 2013.
- [3] O. Nezamuddin, J. Crespo, C. Euzeli, and S. Jr, "Design of a Highly Efficient Microinverter," *IEEE*, pp. 3463–3468, 2016.
- [4] Microchip, "Grid-Connected Solar Microinverter Reference Design Using a dsPIC® Digital Signal Controller," *AN1338*, 2011. .
- [5] J. Ruttanayukol, Y. Du, W. Xiao, and M. Elmoursi, "Interleaved Flyback Micro-Inverter with Primary Side Current Control for PV Application," pp. 1–6.
- [6] J. Baskaran, "Analysis of Grid Connected Single Stage Flyback Photovoltaic Inverter," *ICCPEIC*, 2014.
- [7] B. Tamyurek and B. Kirimer, "An Interleaved Flyback Inverter for Residential Photovoltaic Applications Bunyamin Tamyurek and Bilgehan Kirimer Electrical and Electronics Engineering Department Keywords," *IEEE*, 2014.
- [8] M. K. Abitha and P. Anitha, "AN IMPROVED GRID CONNECTED INTERLEAVED FLYBACK INVERTER," vol. 7, no. 4, pp. 636–643, 2016.
- [9] S. Mulel, R. Hardas, and N. R. Kulkarni, "P & O , IncCon and Fuzzy Logic Implemented MPPT Scheme for PV Systems using PIC18F452," pp. 1320–1325, 2016.
- [10] G. Jun-yin and C. Guo-Cheng, "A fast MPPT algorithm for single stage grid-connected PV inverter," *Ind. Electron. Appl. (ICIEA), 2012 7th IEEE*

- Conf.*, pp. 960–965, 2012.
- [11] H. S. H. Chung, K. K. Tse, S. Y. R. Hui, C. M. Mok, and M. T. Ho, “A novel maximum power point tracking technique for solar panels using a SEPIC or Cuk converter,” *IEEE Trans. Power Electron.*, vol. 18, no. 3, pp. 717–724, 2003.
- [12] A. Al-Diab and C. Sourkounis, “Variable step size P&O MPPT algorithm for PV systems,” *Proc. Int. Conf. Optim. Electr. Electron. Equipment, OPTIM*, pp. 1097–1102, 2010.
- [13] G. Mamatha, “Perturb and Observe MPPT Algorithm Implementation for PV Applications,” *IJCSIT*, vol. 6, no. 2, pp. 1884–1887, 2015.
- [14] R. F. Coelho, F. M. Concer, and D. C. Martins, “A MPPT approach based on temperature measurements applied in PV systems,” *2010 IEEE Int. Conf. Sustain. Energy Technol. ICSET 2010*, 2010.
- [15] K. Saidi, “Simulation and analysis of variable step size P&O MPPT algorithm for photovoltaic power control,” *IEEE*, 2017.
- [16] X. Zhang *et al.*, “A variable step-size P & O method in the application of MPPT control for a PV system,” *IEEE*, pp. 1503–1506, 2016.
- [17] X. Serrano-guerrero, G. Escrivá-escrivá, and X. Cárdenas-caranguí, “Improved Variable Step Size P & O MPPT Algorithm for PV Systems,” *IEEE*, no. 1, 2016.
- [18] P. Guruvulunaidu, S. S. Biswas, C. Saibabu, and S. Satyanarayana, “Modeling of Interleaved Fly-back Converter for Photo Voltaic Applications using PSIM,” *AIJRSTEM*, vol. 16–253, pp. 181–186, 2016.
- [19] I. Sefa and Ş ., Özdemir, “Experimental study of interleaved MPPT converter for PV systems,” in *IECON Proceedings (Industrial Electronics Conference)*, 2009, pp. 456–461.
- [20] L. Bouselham, “Comparative Study of Different MPPT Methods for Photovoltaic System,” *IEEE*, vol. 32, 2009.
- [21] V. R. Kota and M. Ieee, “A Simple and Efficient MPPT Scheme for PV

- Module Using 2-Dimensional Lookup Table,” *IEEE*, pp. 2–8, 2016.
- [22] J. J. Nedumgatt, K. B. Jayakrishnan, S. Umashankar, D. Vijayakumar, and D. P. Kothari, “Perturb and observe MPPT algorithm for solar PV systems-modeling and simulation,” in *Proceedings - 2011 Annual IEEE India Conference: Engineering Sustainable Solutions, INDICON-2011*, 2011, vol. 19, no. 1.
- [23] S. Rahayu, “Desain interleaved flyback dc-dc converter 350 w-350 v menggunakan lt3757 dengan bantuan ltspice,” *TESIS*, 2017.
- [24] C. Lai, “A Single-Stage Grid-Connected PV Micro-Inverter Based on Interleaved Flyback Converter Topology,” *IEEE*, pp. 187–190, 2014.
- [25] R. R. O. Sasue, “Pemilihan Wilayah Operasi Interleaved dan Non-Interleaved untuk Memperoleh Efisiensi Maksimal pada DC-DC Boost Converter,” *TESIS*, 2017.
- [26] “www.solarworld.com,” *data sheet*, pp. 5–6, 2012.
- [27] Infineon, “OptiMOS Power Transistor,” *IPB036N12N3 G*, 2009.
- [28] R. semiconductor, “Super Fast Recovery Diode RFN5BM2S, Datasheet,” pp. 1–5, 2016.