

DAFTAR PUSTAKA

- [1] Bo Yuan, Xu Yang, Donghao Li, and Zhaoan Wang, "A new architecture for high efficiency maximum power point tracking in grid-connected photovoltaic system," in *IEEE 6th International Power Electronics and Motion Control Conference, 2009. IPEMC '09*, vol. 10, Wuhan, May 17-20 May 2009.
- [2] H. AbdEl-Gawad and Vijay K. Sood, "Overview of connection topologies for grid-connected PV systems," in *Canadian Conference on Electrical and Computer Engineering (CCECE), 2014 IEEE 27th*, Toronto, ON, 2014.
- [3] Chaiyant Boonmee, Pakorn Somboonkit, and Napat Watjanatepin, "Performance comparison of three-level and multi-level for Grid-connected photovoltaic systems," in *12th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON), 2015*, Hua Hin, 24-27 June 2015.
- [4] Huiying Zheng, Shuhui Li, and Julio Proano, "PV energy extraction characteristic study under shading conditions for different converter configurations," in *2012 IEEE Power and Energy Society General Meeting*, San Diego, CA, 22-26 July 2012.
- [5] Kwonyub Hyung, Hojoon Shin, Jung-Ik Ha, and Anno Yoo, "Efficiency control of multi-string PV system considering switching losses analysis," in *2014 IEEE Applied Power Electronics Conference and Exposition - APEC 2014*, vol. , Fort Worth, TX, 16-20 March 2014.
- [6] Carlos Meza, Juan Jose Negroni, Francesc Guinjoan, and Domingo Biel, "Inverter Configurations Comparative for Residential PV-Grid Connected Systems," in *IECON 2006 - 32nd Annual Conference on IEEE Industrial Electronics*, Paris, Nov 6-10 Nov, 2006.
- [7] Pedro A. B. Block et al., "Power Quality Analyses of a Large Scale Photovoltaic System," in *5th International Renewable Energy Congress (IREC), 2014*, Hammamet, 25-27 March 2014.
- [8] F. Batrinu, G Chicco, J Schlabach, and F Spertino, "Impacts of grid-connected photovoltaic plant operation on the harmonic distortion," in *IEEE Mediterranean Electrotechnical Conference MELECON 2006*, Malaga, 16-19 May 2006.
- [9] Andrew Hintz, Rajagopal Prasanna, and Kaushik Rajashekara, "Comparative study of three-phase grid connected inverter sharing unbalanced three-phase and/or single-phase systems," in *2015 IEEE Energy Conversion Congress and Exposition (ECCE)*, Montreal, QC, 20-24 Sept. 2015.

- [10] F. Foiadelli, S Leva, and D Zaninelli, "PQ and protection system analysis of a new topology for grid connected PV plant," in *International Conference on Clean Electrical Power (ICCEP), 2011*, Ischia , 14-16 June 2011.
- [11] Gilbert M. Masters, *Renewable and Efficient Electric Power Systems*, 1st ed., Gilbert M. Masters, Ed. Hoboken, New Jersey, USA: John Wiley & Sons, Inc., 2004.
- [12] S. B. Kjaer, J. K Pedersen, and F Blaabjerg, "A review of single-phase grid-connected inverters for photovoltaic modules," *IEEE Transactions on Industry Applications*, vol. 41, no. 5, September 2005.
- [13] Panagiotis Bakas, Antonis Marinopoulos, and Bengt Stridh, "Impact of PV module mismatch on the PV array energy yield and comparison of module, string and central MPPT," in *Photovoltaic Specialists Conference (PVSC), 2012 38th IEEE*, Austin, TX , 3-8 June 2012.
- [14] Ahmed Elasser et al., "Field installation and evaluation of a 20kw rooftop PV system using 3.5kw string level MPPT DC/DC converters and a central inverter," in *Photovoltaic Specialists Conference (PVSC), PART 2, 2013 IEEE 39th* , Tampa, FL , 16-21 June 2013.
- [15] YongLi Zhu, JianGuo Yao, and Di Wu, "Comparative study of two stages and single stage topologies for grid-tie photovoltaic generation by PSCAD/EMTDC," in *International Conference on Advanced Power System Automation and Protection (APAP), 2011*, vol. 2, Beijing, 16-20 Oct. 2011.
- [16] Mohammed S. Agamy et al., "Dc-dc converter topology assessment for large scale distributed photovoltaic plant architectures," in *2011 IEEE Energy Conversion Congress and Exposition*, Phoenix, AZ , 17-22 Sept. 2011.
- [17] Panagiotis Panagis, Fotis Stergiopoulos, Pantelis Marabeas, and Stefanos Manias, "Comparison of state of the art multilevel inverters," in *2008 IEEE Power Electronics Specialists Conference*, Rhodes, 15-19 June 2008.
- [18] Riad Kadri, Jean-Paul Gaubert, and Gérard Champenois, "Centralized MPPT with string current diverter for solving the series connection problem in photovoltaic power generation system," in *International Conference on Clean Electrical Power (ICCEP), 2011*, Ischia , 14-16 June 2011.
- [19] Dorai Babu Yelaverthi and Shyama P Das, "Dual multi-string PV topology fed three level grid connected inverter," in *2014 IEEE Applied Power Electronics Conference and Exposition - APEC 2014* , Fort Worth, TX , 16-20 March 2014.
- [20] Santu Kr. Giri, Sarbani Mukherjee, and Subrata Banerjee, "Split-multistring 3-level NPC photovoltaic inverter suitable for partially shaded

- conditions," in *Power India International Conference (PIICON), 2014 6th IEEE, Delhi*, 5-7 Dec. 2014.
- [21] Sachin Jain and Vivek Agarwal, "A Single-Stage Grid Connected Inverter Topology for Solar PV Systems With Maximum Power Point Tracking," *IEEE Transactions on Power Electronics*, vol. 22, no. 5, September 2007.
- [22] JongPil Lee et al., "The novel high efficiency grid-tied multi string PV PCS using H-bridge multi-level topology," in *IECON 2011 - 37th Annual Conference on IEEE Industrial Electronics Society*, Melbourne, VIC, 7-10 Nov. 2011.
- [23] P. Sudha Rani, K. V. S Prasadarao, and Koppineni R. N. V Subbarao, "Comparison of symmetrical and asymmetrical multilevel inverter topologies with reduced number of switches," in *International Conference on Smart Electric Grid (ISEG), 2014*, Guntur, 19-20 Sept. 2014.
- [24] A. Siadatan, E Afjei, M Rafiee, and M Montazeri, "Higher voltage level and lower total harmonic distortion in a new setting up multilevel inverter," in *4th International Conference on Intelligent and Advanced Systems (ICIAS), 2012*, vol. 1, Kuala Lumpur, 12-14 June 2012.
- [25] R. Gonzalez, H R Jimenez, and J M Huacuz, "Voltage and Power Ratio Effects of Grid-Connected PV Plant's Operation on the Performance Ratio and Total System Efficiency," in *2006 3rd International Conference on Electrical and Electronics Engineering*, Veracruz, 6-8 Sept. 2006.
- [26] R. Mechouma, B Azoui, and M Chaabane, "A review three-phase grid connected inverter for photovoltaic systems," in *First International Conference on Renewable Energies and Vehicular Technology 2012*, Hammamet, 26-28 March 2012.
- [27] Henry Benedict Massawe, "Grid Connected Photovoltaic Systems with Smart Grid Functionality," Norwegian University of Science and Technology, Norway, Master Thesis 2013.
- [28] R. W. Erickson and D. Maksimovic, *Fundamentals of Power Electronics*, 2nd ed.: Springer, 2000.
- [29] SunPower Corporation. (2010, September) Data Sheet Solar Panel SPR-305E-WHT-D. Dokumen.
- [30] Nate Blair, Aron P. Dobos, Janine Freeman, Ty Neises, and Michael Wagner. (2014, January) National Renewable Energy Laboratory (NREL) System Advisor Model (SAM). [Online]. <https://sam.nrel.gov/>