

REFERENCES

1. Renewables 2018, Global Status Report (www.ren21.net) (online)
2. "100% ELECTRICITY GENERATION THROUGH RENEWABLE ENERGY BY 2050", Assessment of Sri Lanka's Power Sector, Co-publication of the Asian Development Bank and the United Nations Development Programme.
3. A. Bayod-Rújula, "Future development of the electricity systems with distributed generation," *Energy*, vol. 34, pp. 377-383, 2009.
4. Chapa udayakiran, Sk.hussain vali, "Design of Battery Energy Storage System (BESS) Support Dynamic Voltage Restorer (DVR) to reduce the rating of Voltage Source Converter (VSC) applied to IEEE 11,33 &69 bus systems," 2017 IEEE 7th International Advance Computing Conference, Hyderabad, India, 2017
5. <https://solarvest.my/large-scale-solar/> (online)
6. <http://www.energy.gov.lk/Solar/> (online)
7. "IEEE Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interfaces," *IEEE std 1547-2018*, 2018.
8. "IEEE Recommended Practice for Monitoring Electric Power Quality," *IEEE Std 1159-2009*, 2009.
9. B. Blazic, I. Papic, "Voltage profile support in distribution networks 14; influence of the network R/X ratio", *2008 13th International Power Electronics and Motion Control Conference*, pp. 2510-2515, 2008.
10. F. Zhang *et al.*, "The reactive power voltage control strategy of PV systems in low-voltage string lines," *2017 IEEE Manchester PowerTech*, Manchester, 2017, pp. 1-6.

11. J. de Oliveira Quevedo *et al.*, "Analysis and Design of an Electronic On-Load Tap Changer Distribution Transformer for Automatic Voltage Regulation," in *IEEE Transactions on Industrial Electronics*, vol. 64, no. 1, pp. 883-894, Jan. 2017.
12. A. Kumar and R. S. Bhatia, "Optimal capacitor placement in radial distribution system," *2014 IEEE 6th India International Conference on Power Electronics (IICPE)*, Kurukshetra, 2014, pp. 1-6.
13. C. L. Masters, "Voltage rise: the big issue when connecting embedded generation to long 11 kV overhead lines," in *Power Engineering Journal*, vol. 16, no. 1, pp. 5-12, Feb. 2002.
14. De Kock, Jan; Strauss, Cobus. *Practical Power Distribution for Industry*. Elsevier. 2004. pp. 74–75.
15. J. Arrillaga, N. R. Watson, *Power System Harmonics*. Wiley. p. 126.
16. M. H. Haque, "Compensation of distribution system voltage sag by DVR and D-STATCOM," *2001 IEEE Porto Power Tech Proceedings (Cat. No.01EX502)*, Porto, Portugal, 2001, pp. 5 pp. vol.1-.
17. D. Nair, M. Raveendran, A. Nambiar, N. P. Mohan and S. Sampath, "Mitigation of power quality issues using DSTATCOM," *2012 International Conference on Emerging Trends in Electrical Engineering and Energy Management (ICETEEEM)*, Chennai, 2012, pp. 65-69.
18. J. von Appen, M. Braun, T. Stetz, K. Diwold and D. Geibel, "Time in the Sun: The Challenge of High PV Penetration in the German Electric Grid," in *IEEE Power and Energy Magazine*, vol. 11, no. 2, pp. 55-64, March-April 2013.
19. P. Pachanapan, O. Anaya-Lara, A. Dysko and K. L. Lo, "Adaptive Zone Identification for Voltage Level Control in Distribution Networks With DG," in *IEEE Transactions on Smart Grid*, vol. 3, no. 4, pp. 1594-1602, Dec. 2012.

20. N. Efkarpidis, T. Wijnhoven, C. Gonzalez, T. De Rybel and J. Driesen, "Coordinated voltage control scheme for Flemish LV distribution grids utilizing OLTC transformers and D-STATCOM's," *12th IET International Conference on Developments in Power System Protection (DPSP 2014)*, Copenhagen, 2014, pp. 1-6.
21. <https://nptel.ac.in/courses/108107114/31> (online)
22. Bhim Singh, Ambrish Chandra, Kamal Al-Haddad. *Power Quality: Problems and Mitigation Techniques*, Chichester, West Sussex, United Kingdom : Wiley, 2015, Chapter 4.4.2
23. Huilian Liao, Sami Abdelrahman, Zhixuan Liu, Jovica V. Milanović, Thomas Wood, Kai Strunz, "Methodology for optimising QoS mitigation infrastructure based on differentiated customer requirements"
24. Robert Kowalak, "Modelling of Power Electronic Compensators for the Analysis of Power System Operation", *Acta Energetica 4/17 (2013)*, pp 48–55,
25. Arif Wazir, Naeem Arbab, "Analysis and Optimization of IEEE 33 Bus Radial Distributed System Using Optimization Algorithm", *Journal of Emerging Trends in Applied Engineering* (ISSN 2518-4059), Vol. 1, No. 2, 2016
26. M. Kumar, A. Swarnkar, N. Gupta et al., "Design and operation of DSTATCOM for power quality improvement in distribution systems", *The 6th International Conference on Renewable Power Generation (RPG)*, 19–20 October 2017.
27. X. Hou *et al.*, "A General Decentralized Control Scheme for Medium-/High-Voltage Cascaded STATCOM," in *IEEE Transactions on Power Systems*, vol. 33, no. 6, pp. 7296-7300, Nov. 2018.
28. G. Farivar, C. D. Townsend, B. Hredzak, J. Pou, V. G. Agelidis, "Passive reactor compensated cascaded H-Bridge multilevel LC-StatCom", *IEEE Trans. Power Electron.*, vol. 32, no. 11, pp. 8338-8348, Nov. 2017.

29. S. Kartakis, A. Fu, M. Mazo and J. A. McCann, "Communication Schemes for Centralized and Decentralized Event-Triggered Control Systems," in *IEEE Transactions on Control Systems Technology*, vol. 26, no. 6, pp. 2035-2048, Nov. 2018.
30. Y. Xia, W. Wei, Y. Peng, P. Yang and M. Yu, "Decentralized Coordination Control for Parallel Bidirectional Power Converters in a Grid-Connected DC Microgrid," in *IEEE Transactions on Smart Grid*, vol. 9, no. 6, pp. 6850-6861, Nov. 2018.
31. O. Stursberg and C. Hillmann, "Decentralized Optimal Control of Distributed Interdependent Automata With Priority Structure," in *IEEE Transactions on Automation Science and Engineering*, vol. 14, no. 2, pp. 785-796, April 2017.