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A NEW TECHNIQUE REVIEW FOR THE GRID CONNECTED WIND- PV USING BACK TO BACK VOLTAGE SOURCE CONVERTERS BY FUZZY CONTROLLER

ARAVINDAN R[1] & MALAISAMY S[2]

[1]Research Scholar, Department of Electrical and Electronics Engineering, PRIST University, Thanjavur, Tamil Nadu, India

[2]Assistant Professor, Department of Electrical and Electronics Engineering, Latha Mathavan Engineering College, Madurai, Tamil Nadu, India

ABSTRACT

The major objective of this project is to use a flow control to connect wind photovoltaic cogeneration utilizing back-to-back voltage converters. The utility grid is interfaced to a permanent magnet with a synchronous full-scale generator (BtB) voltage- source converter (VSCs). The BtB VSC's dc-link condenser comes with a PV solar generator directly. No conversion phases of dc/dc are needed. This means maximizing system performance. The suggested topology includes a separate maximum point tracking system for wind and PV generators for maximum renewable energy extraction. VSCs are regulated in the rotating reference frame using the vector control approach. To examine overall stability, detailed tiny signal patterns for the system components are produced.

KEYWORDS: New Technique Review, Grid Connected Wind- Pv