

6. CONCLUSIONS

This work represents hybrid electrical power system model. Due to the integration of fuel cell, P-V power and wind power with main grid large amount of fault currents will come. That fault current creates a major disturbance to power system so introduce Resistive type superconducting fault current limiter (R-SFCL) into the power system network. Here R-SFCL works very effective manner, under normal operating conditions R-SFCL works as superconductor during abnormal conditions it acts as resistor then fault currents are limited. R-SFCL is a very effective device to reduce harmonics, fault currents and compensate the voltage levels.

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