

improved both in magnitude and in stability time in Scenario 2 with UPFC incorporated. In Scenario 3 with IPFC incorporation, the voltage magnitude was also improved but not as much as in Scenario 2 and its stability time was slightly delayed after point of fault as compared to Scenario 2.

The results show that both devices stabilized the system voltages with UPFC having a slightly better improvement of voltage magnitude while IPFC on the other hand have the advantage of stabilizing voltages on double lines. In conclusion, the UPFC has a better and faster voltage stability enhancement than the IPFC.

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