



Figure 15: Voltage Swell compensation

6. Conclusion

The implementation of MLI based DVR system using microcontroller has been presented. DVR is an effective custom power device for voltage sag mitigation. The impact of voltage sag/swell on sensitive equipment is severe. Therefore, DVR is considered to be an efficient solution due to its low cost, small size and fast response. The simulation results indicate that the implemented control strategy compensates for voltage sags/swells with high accuracy. The results show that the control technique is simple and efficient method for voltage sag compensation.

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