

Just What is Power Quality? Power Quality Overview

Power Quality is...

IEEE: "The concept of powering and grounding sensitive electronic equipment, in a manner that is suitable to the operation of that equipment".

Further... "Ensuring that the electrical system provides power at a level of quality sufficient to operate the facility's electrical and electronic equipment; without contributing to deterioration, destruction, downtime, loss or a decrease in operational safety." (Tom Butcher)

Surge Suppression Incorporated[®] Technical Services is a full-service power quality consulting firm. We are dedicated to providing clients with a complete analysis of their electrical power, telecommunication and data transmission systems. We identify system problems, review operational integrity and safety issues, and make recommendations for procedures and equipment designed to correct, or avoid future problems.

Our Primary Service is a Power Quality Survey that Addresses the Following Issues -

- wiring,
- distribution,
- grounding,
- voltage imbalance,
- current imbalance,
- transient/surge,
- overvoltage, and
- harmonics.

What Should you Expect in a Power Quality Report?

- types of power disturbances found,
- types of systems problems found,
- wiring problems,
- grounding problems,
- other problems,
- significance of problems,
- possible causes,
- recommended corrective actions,
- recommended equipment,
- alternatives,
- expected results, and impact on performance.