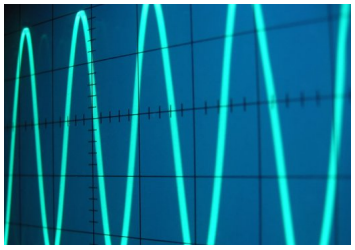
# Causes of Poor Power

Power disturbances are often measured in milli and micro seconds and remain unnoticed unless monitored continuously. Some of the probable causes of poor power are outlined below:

- Nonlinear loads (electronics, VFDs, electroplating, battery chargers, LED lights)
- Arc discharges (welding, fluorescent and HID lights)
- Uninterruptible power supplies and constant voltage transformers
- Unbalanced loads across individual phases
- Utility problems
- Weather
- Other plants on the same line or transformer
- Widely fluctuating demand
- Starting large motors
- Unexpected load decrease
- Failed voltage regulators
- Bad switch contacts
- Lightning strikes
- Switching inductive loads



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