

How to prevent power from impacting your performance

We all take power for granted but your electronic systems don't

- ❖ Your equipment's performance is 100% predicated to the quality of the power feeding it. More specifically the second-by-second commands are using a binary code that must operate below a half of volt to ensure the proper processing calculation. This is very difficult to achieve with the standard electrical configuration. Something as minor as the distance the outlet is from the panel can be a factor there are power quality issues lurking.

What is a transient and how it impacts your day?

- ❖ When looking at power through an oscilloscope we can see spikes of energy that are present and have the ability to slide right through the systems power supply and get into the sensitive electronics that are executing the computers language. These transients are short in duration but well above the half a volt the system is designed to run on. This transient voltage is also a generator of heat on the traces and will wear down if not destroy small pieces of the vast electrical network mapped out inside your electronic hardware. Once this damage occurs it is irreversible and very difficult to find. A vast majority of power quality systems does not have the ability to address this sensitive area. Powervar is one of the only manufactures to protect down to this level ensuring a higher level of performance, life span, and efficiency in preforming your tasks.

How does the design/components impact the performance?

- ❖ If you chose a power quality product that does not have a pure sign wave output through its inverter both on utility and battery a large amount of noise will be generated from these devices. The equipment you use every day to run your business will also generate this unfriendly power as well as events created by mother nature herself.

Some other simple things that need to be considered

- ❖ Load sizing
- ❖ Topology
- ❖ Battery replacement
- ❖ Warranty of the product
- ❖ Run time
- ❖ Invertors

This is where you can determine the quality of the product your investing in based on how these questions are answered. This is where working with a company like American Power Pros can set you apart and give you a competitive advantage within your company.

