Having proper surge protection is more important today than ever before. Our electrical systems are getting more and more complex due to the types of electrical instruments we are adding to our systems, in many cases to increase efficiency. What most people don’t know is that many of these electronics are non-linear and contain switching power supplies.

This means they manipulate the voltage of the electrical system, sometimes up to \textit{1000x per second} resulting in damaging energy surging throughout our systems. Without proper protection installed our electronics are exposed to the energy surging, resulting in premature failure.

There are many brands of surge protection available on the market, and all are not built equally. Cleanvolt (with its industry leading speed and ultra-low clamping abilities) is designed to react at \textit{10\% of the RMS of an electrical system} (132v on a 120v system). This means Cleanvolt is participating within the fundamental waveform and becomes the path of least resistance for damaging energy surging. Most SPD's available today do not start to react until 330v on a 120v system, or 2x peak voltage, missing 80\% of the damaging energy surging in your system.

\textbf{Ask yourself: is my SPD a participant or a spectator?}

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\begin{tabular}{|c|c|c|}
\hline
\textbf{Peak V 169 +} & \textbf{80\% of Surges Happen} & \textbf{CV Clamping 132 V} \\
\hline
\textbf{+ 330 V Twice Peak Voltage Clamping/VPD of Competition} & & \textbf{+ 120 V RMS} \\
\hline
\textbf{- 120 V RMS} & & \\
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