

HOW IT WORKS

CleanVolt™ features advanced fail-safe technology with bi-directional protection, along with the fastest connection speed in the industry so you can trust that your electronics are properly protected at all times.

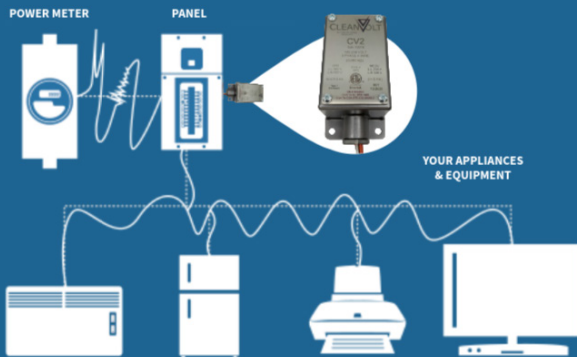
BEFORE CLEANVOLT™

Electrical spikes and surges enter your system from the grid, and everyday electronics add their own interference resulting in dirty, inconsistent power throughout your home or business.



AFTER CLEANVOLT™

Incoming power is stabilized, external surges are blocked, and internal electrical interference is filtered out—delivering clean, consistent power that protects your devices and helps them last their intended lifecycle.



Installation of CleanVolt™ increases the efficiency of your entire electrical system and all devices attached to it.

CLEANVOLT™

CLEANVOLT™

Protect Every Device in Your Building
From lightning to daily current surges

Robust all solid-state design using no sensitive electronics

Simple add-on integration for existing electrical systems

Models covering 120V to 600V applications

Passive design that does not interfere with normal equipment operation

Eliminates damaging moderate-level current surges without requiring a rare voltage surge to activate

Industry-leading surge protection, originally tested to C62.1 lightning surge standards

Suitable for VFD (Variable Frequency Drive) applications

Reduces harmonic effect

Helps lower excess heat in electrical systems

Stabilizes the electrical sine wave

Reduces EMI and RFI interference

Delivers the fastest connected reaction time available

Backed by an industry-leading 40-year warranty

Engineered to Deliver Superior Catastrophic Protection & Power Quality Enhancement



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Intertek

Conf. To UL STD 1449
Certified to CSA STD
C22.2 No. 269.2



-  Residential
-  Commercial
-  Industrial
-  Agricultural
-  Institutional



CLEANVOLT™

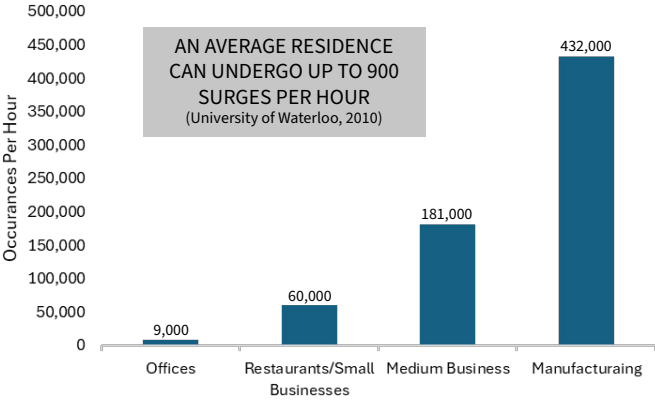
DISCOVER THE
ULTIMATE PROTECTION

3 DIFFERENT TYPES OF SURGES

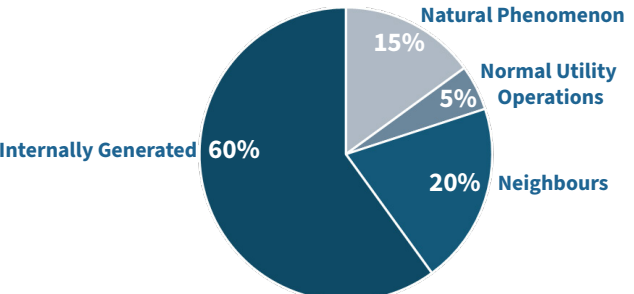
Most people think of surge protection as defense against major events like lightning or utility disruptions. While these high-energy surges can be destructive, they're relatively rare.

The more common, and often more damaging, threat comes from **moderate current surges** created during normal operation of modern electrical equipment. Individually they cause little harm, but repeated exposure slowly degrades electronic components, leading to premature failure—often called “*death by a thousand cuts.*”

DID YOU KNOW? IT'S NOT ALL ABOUT THE "BIG EVENT"



SOURCES OF DIRTY POWER



WHY YOU NEED CLEANVOLT™

Proper surge protection is more important today than ever. Modern electrical systems are becoming increasingly complex as more advanced electronic equipment is added to improve efficiency, automation and performance. What many people don't realize is that much of this equipment is non-linear and relies on switching power supplies—making today's electronics far more sensitive to power disturbances.

These devices constantly manipulate system voltage creating damaging current surges throughout the electrical system. Without proper protection in place, electronics are repeatedly exposed to this stress, leading to premature failure.

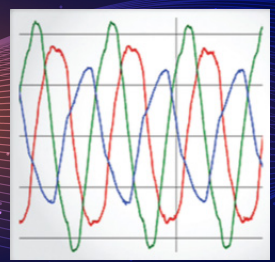
HOW SURGE PROTECTION WORKS

Most surge protection devices require a rare voltage surge to trigger and activate protection. The majority of surge damages are caused by current surges created by the manipulation of our power.

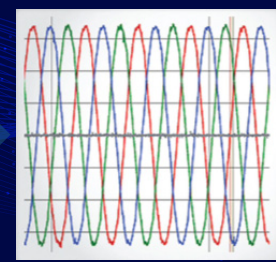
According to NEMA, **up to 80% of surge damages are caused by these current surges**, generated within the normal operating waveform.

CleanVolt™ has the unique ability to attract these occurrences out of your system. This results in allowing connected equipment to operate on its own stable environment—unaffected by the activity of nearby devices.

FROM THIS



TO THIS



WHEN YOU INSTALL INDUSTRY LEADING PROTECTION



Actual results from one of our customers. Testing was done using a Dranetz HDPQ power quality analyzer. To see more results visit our website.

*Source: NEMA Surge Protection Institute