Surge Suppression® Incorporated

Manufacturer and Supplier of Quality TVSS Systems

"Power Surge and Lightning Protection for Your Home and Business"

Modern day homes and businesses are full of very sensitive electronic equipment that is very susceptible to damage from all types of power surges. By protecting this equipment you help ensure that it operates properly when needed and has a long useful life. The technology and components in our surge protection devices can help make all the difference.

Today's market is flooded with surge protection devices….while some of these products are of good quality; much of it is questionable at best both in quality and performance. Every big box and electronics store has shelves full of it. Gimmick warranties abound to try and get you to buy them (read the fine print).The real questions are…..how good is it, how much should it cost, does it really work, does it protect my equipment, and how do I know that it's working?

Since surge protection is all that Surge Suppression Incorporated does, we can assure you that our products are of the highest quality, with the latest technology that are more than able to do their job. There are certain standards that must be met and certain information that is needed to determine the ability and quality of a power surge protection device, and we are more than happy to provide that information to you. These standards have been set by agencies and organizations in the electronics industry such as UL, IEEE and NEMA.

Three Very Important Things You Must Have

Right Product Right Location Right Installation

Our Name Says It All

We are dedicated to producing the highest quality surge protection devices on the market today to reflect the ever changing and increasing technology in our homes and businesses.

Surge Suppression Incorporated is rated among the top ten companies that manufacture surge protection devices in the United States

All of our products are American made in our own facility.

We offer a 25 year Unlimited Warranty on most of our products

We offer Whole House/Facility Protection

"Close all of the doors and windows"- A/C power system protection, telephone protection, coaxial cable protection, point of use

Approximately 80% of all surges are created within the home or business. Meter based surge protectors provide little protection for these surges. Our "True Enhanced Sine Wave Tracking" technology eliminates these surges from the system.

Our Panel units are designed to protect the entire electrical panel to which they are installed. One unit can help provide the first level of protection for your home or business.

Our residential products utilize our commercial grade technology for a residential application at an affordable price.

Listings and Recognitions

- UL 1449 2.5: This is the listing for surge protective devices. It is a safety standard, it does not certify the quality of the listed device.

- ISO 9001-Certification as a real manufacturing facility.

- Frost and Sullivan Award-2004 and 2006-Award for customer service and value enhancement.

Modes of Protection

NEMA LS-1, Low Voltage Surge Protective Devices (SPD), states in Section 2.2.7 that "this parameter identifies the modes for which the SPD has directly connected protection elements, i.e. line-to-neutral (L-N), line-to-line (L-L), line-to-ground (L-G), neutral-to-ground (N-G)."

A quality surge protective device should incorporate true "All-Mode" protection. Simply stated, this means that there is discrete and dedicated protection componentry for each mode of protection provided by the surge suppressor. By incorporating dedicated surge suppression components for each mode, this design provides the best protection for your home and equipment.

True Enhanced Sine Wave Tracking

Enhanced Sine Wave Tracking is low-pass filter circuitry designed to mitigate the effects of switching or ringing surges. These types of surges occur as a result of turning on and off of inductive loads within the home's electrical system. Inductive loads in the home include washers and dryers, compressors, pumps, and refrigerators; just to name a few. Additionally, these surges can be generated by utility grid switching or the re-closing of a utility fault condition. Home appliances have sensitive electronic controls that are affected by these power surges. Protecting home electronics is critical. Our Enhanced Sine Wave Tracking products can help prevent the degradation of these products and provide an excellent choice when protecting sensitive electronic equipment in the home or business.

Let-Through Voltage and "Clamping Voltage"

Let-Through Voltage, also known as Measured Limiting Voltage, is the voltage your equipment is exposed to after the surge protective device has operated. The lower the Let-Through Voltage, the better performance. Clamping Voltage is the voltage level at which the device components begins to "clamp" and respond to the over voltage condition.

Energy Dissipation (Joules)

This is the amount of surge energy, measured in watts per second, that an SPD can dissipate. Joule ratings on a specification sheet can be misleading and are subject to manipulation and exaggeration since test parameters are not clearly defined. It is important to note that NEMA, ANSI, and IEEE do not recognize joule ratings as a valid benchmark of SPD performance.

Peak Surge Current

Peak Surge Current is the amount of peak surge current the SPD can handle without degradation or failure. Normally this is reported by "mode" or "phase". Generally, the higher this number, the better protection.

For More information regarding Surge Suppression, Please contact Scott Chapman at Surge Suppression of Georgia, Inc., 1-866-787-4372