

HomeGuard® Surge Protection Service Product Specifications*

	Peak Amps Rating	Joule Rating	EMI/RFI Noise Rejection	UL 1449 Clamping Voltage	15 Year Product Replacement on Service Entrance Products Lifetime product replacement on Pluggable Products
HG_S-250 [Installed @ meter] Provides primary protection against surges entering home through electrical service. {Warranted to protect major “white” appliances}	100,000	980	Up to -20dB	330V	Up to \$10,000/ household , \$1,000/ major white appliance listed on warranty.
8000D Eight Outlet Plugstrip w/ cable connection [Typical Use: home entertainment system]	39,000	2,100	Up to -20dB	330V	Up to \$25,000 for connected electronic equipment damage.
8000T Eight Outlet Plugstrip w/ telephone connection [Typical Use: computer system]	39,000	2,100	Up to -20dB	330V	Up to \$25,000 for connected electronic equipment damage.
EFI-1EC Single outlet Plugstrip w/ cable connection [Typical Use: spare television]	26,000	270	Up to -20dB	400V	Up to \$250 for connected electronic equipment damage.
EFI-1ET Single outlet Plugstrip w/ telephone connection [Typical Use: answering machine]	26,000	270	Up to -20dB	400V	Up to \$250 for connected electronic equipment damage.
EFI-1ES Single outlet Plugstrip [Typical Use: countertop appliance, i.e. Microwave oven]	26,000	270	Up to -20dB	400V	Up to \$250 for connected electronic equipment damage.

- All HomeGuard® products manufactured in US by EFI Electronics, Salt Lake City, UT.
- ⁽¹⁾ Warranty provided solely by EFI Electronics.
- 8000D & 8000T feature sinewave tracking. All plugstrip response times are rated at <5 nanoseconds.
- All products meet UL 1449-2nd Edition. Specifications subject to change by manufacturer without notice.

HomeGuard[®] Surge Protection Service

Explanation of Rating Terms

Compare ratings – not all surge protectors provide the same level of protection.

- **Joules**
 - A measure of how much energy a surge suppressor can handle. The higher the number the better. Many devices purchased in retail stores are only rated for no more than 200 joules.
- **Peak Amps**
 - Another energy absorption rating, amps are the “force” behind the voltage. The higher, the better.
- **EMI/RFI Noise Rejection**
 - This refers to two types of “noise” or interference which can cause problems with computers, TVs or any device with a microprocessor.
- **Clamping Voltage**
 - How high power spikes are permitted to rise before they are contained by the surge protector. Suppressors with lower clamping voltage ratings offer better protection against damage.
- **Sine Wave Tracking**
 - Many inexpensive surge protectors do not have this high-tech feature. Sine wave tracking prevents power spikes from rising too high.
- **Response Time**
 - Inexpensive surge services typically have 20 nanosecond response time or even slower. Surge protectors manufactured for the HomeGuard[®] service are rated at less than 5 nanoseconds (five billionths of a second).