

PROTECTION FOR MODERN POWER



SIMPLE PROTECTION FOR COMPLEX SYSTEMS

Less Downtime | Longer Equipment Life | Predictable Performance

Today's facilities depend on sensitive electronics—drives, PLCs, controls, UPS systems, automation, and connected equipment. These systems are powerful, fast, and unforgiving when power quality slips.

The problem isn't rare lightning strikes. It's the everyday electrical noise happening inside your facility.

SineTamer® is the next-generation from ECS that designed to quietly handle the disturbances that cause most real-world failures—before they turn into downtime.

No complexity. No guesswork. Just protection that works.



WWW.SINETAMER.COM

THE PROBLEM IN PLAIN TERMS

Most Power Problems Are Self-Inflicted

Modern equipment creates electrical disturbances simply by operating. Every start, stop, and speed change introduces fast, repetitive transients into your power system.

Common sources include:

- Variable frequency drives (VFDs)
- UPS systems and battery chargers
- CNC machines and automation
- LED lighting and electronic power supplies

These disturbances happen constantly and slowly degrade sensitive electronics.

Traditional surge protection focuses on big, rare events. It often ignores the smaller, faster disturbances that cause:

- Random faults and lockups
- Nuisance trips
- Premature control board failures
- Escalating maintenance costs

If protection doesn't address everyday reality, problems become routine.



HOW SINETAMER® IS DIFFERENT

Designed for How Power Actually Behaves

SineTamer® uses modern components and smarter design to address the disturbances older devices miss.

Modern Core Components

Advanced, internally fused MOV technology provides higher energy handling per component while reducing unnecessary complexity. The result is a cleaner design with fewer failure points and improved long-term reliability.

Built for Real Capacity

Higher per-mode energy capability means **SineTamer®** absorbs damaging energy instead of letting it pass downstream—protecting the equipment that matters most.

Frequency-Responsive Protection

Instead of reacting only to voltage spikes, **SineTamer®** responds to changes in frequency, enabling the unit to virtually eliminate false zero sine-wave crossings and diminish the impact of supraharmonics.

Simple Diagnostics

Clear LED status indicators, audible alarms when protection is compromised, and system-wide monitoring provide immediate visibility without adding operational burden. The result is protection that stays out of the way—until it's needed.



SOLUTIONS THAT SCALE

Less Downtime | Longer Equipment Life | Predictable Performance

SineTamer® panel protection is available in two engineered families—7-mode and 10-mode designs—allowing protection to be matched precisely to the electrical demands of your facility.

Units are available with:

- **Peak surge current ratings up to 600 kA**
- **Voltage ratings up to 6.6 kV**

This range supports applications from standard commercial facilities to demanding industrial and infrastructure environments.

SineTamer® products are backed by a 25-year unconditional warranty, delivering long-term confidence in performance and protection.

Ask about our complete line of **data, telecom, and point-of-use protection products** to extend the same level of reliability throughout your entire operation.



WHY IT MAKES SENSE

Facilities using SineTamer® typically experience:

Fewer unexplained shutdowns

- Reduced repair and replacement costs
- Longer life for drives, controls, and electronics
- Faster, more predictable ROI

Fits the Facility—Not the Other Way Around

SineTamer® solutions are engineered to match your application without unnecessary features, oversized hardware, or added complexity.

Backed by ECS and SineTamer®

With decades of real-world experience and global deployment, ECS and **SineTamer®** continue to deliver practical, proven power protection.

Good power protection shouldn't be complicated.

We ARE the Standard.



5500 E Loop 820 S #205
Fort Worth, TX 76119
Local: 817-483-8497
Toll Free: 800-383-6956
info@ecsintl.com

WWW.SINETAMER.COM