

isobar[®]

PREMIUM SURGE SUPPRESSORS

The
#1
Selling
Premium
Surge
Suppressor

Over 14 Million
in Use Worldwide!



TRIPP-LITE
POWER PROTECTION

www.tripplite.com

Corporate America Trusts Isobar®

America's leading companies have made the Isobar Premium Surge Suppressor their corporate standard for computer and electronics protection. They, along with 14 million other satisfied customers worldwide, trust the Isobar's durable, all-metal housing and safety-tested 25-year history. Isobar is simply the most reliable surge suppression system you can buy.



to Protect Their Equipment



"We've tested your Isobar Surge Suppressor and found it to be very effective and compatible with our

systems. Thank you for designing such a fine product."

Ron Stadler
National Sales Manager



"We have power [problems] pretty regularly. Since I installed Isobars on all of my office equipment, I

haven't lost any information. Keep up the good work. This product is a great asset."

Don David
Operation Specialist



"It's simple. We had a run-in with lightning. All the PCs protected by Isobars lived—all others died. Ever since, I've had Tripp Lite on my home PC and have championed the use of your products at the office."

David Trimble



"I found Tripp Lite's product quality to be head-and-shoulders above the field."

Alane Watkins
Systems Administrator



"We've standardized on Tripp Lite Isobar Surge Suppressors. We are pleased with the dependability, warranty and quality of your product."

Allen Anderson
Purchasing



"Tripp Lite's reputation for providing superior protection and service with the lowest prices convinced me to use [Isobars]. We're using

Isobars and Isotels on fax machines, telephone systems and computers. Our plans are to purchase Tripp Lite power protection for most of our 1,140 locations in North America and Hawaii."

Steve Pedemonti
District Manager



Premium Surge Suppressors

Progressive Technology

Protect your equipment with the most robust combination of high-quality suppression components in the industry. Isobar's progressive protection technology includes Isolated Filter banks, sine wave tracking, sidactor phone-line surge suppression and durable, fire-safe, all-metal housings.

Proven Safety Testing

Safeguard your valuable computer investment with the most reliable surge suppression system available. Lab-tested and field-trusted for 25 years, Isobars provide the highest protection ratings and the most durable all-metal housings, guaranteed up to \$50,000 . . . for life!

Extensive Product Line

Look no further than Isobar's extensive product line to protect the evolving needs of your application, including AC, tel/modem, audio/video, rackmount, hospital-group, 230 volt and more!

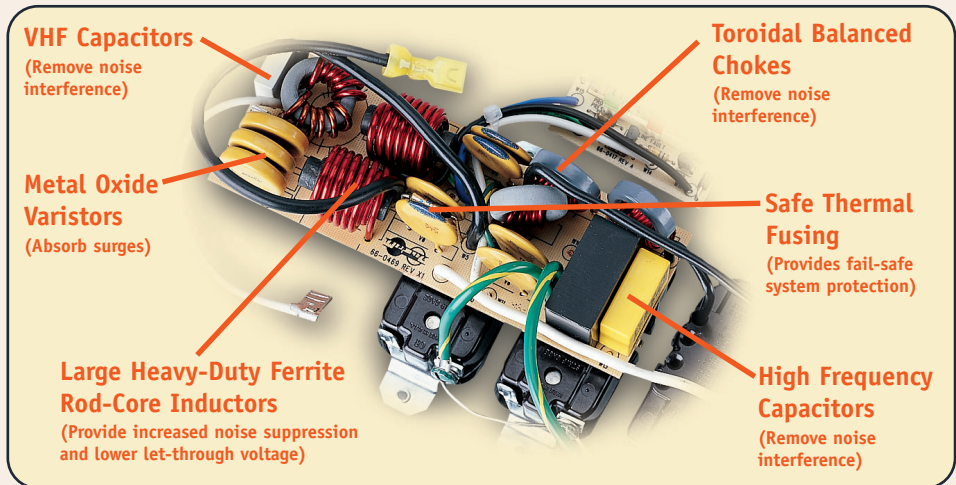


Progressive Technology

After 25 years, it's clear why the Isobar is still corporate America's most trusted surge suppressor. No other surge suppressor combines the same level of quality surge suppression components to provide maximum protection.

Multi-Component Surge "Firewall"

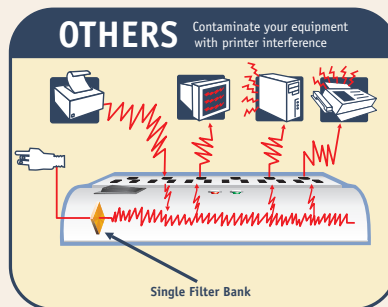
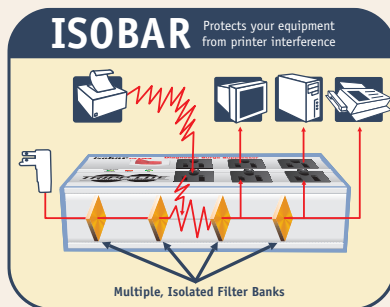
Inside, the Isobar is packed with a dense, powerful array of components that act as multiple "firewalls," which instantaneously stop the strongest surges and filter the most disruptive line noise. Compared to other surge suppressors, the Isobar features *more* and substantially *larger* components to provide a more effective first line of defense against surges. Surges and line noise are instantaneously eliminated by multiple components working together, including Metal Oxide Varistors, Toroidal Balanced Chokes, Ferrite Rod-Core Inductors and VHF Capacitors.



In addition, the Isobar, unlike other surge suppressors, provides more suppression components throughout the unit as *additional* lines of defense. The final safety measure is

provided by Safe Thermal Fusing which protects against fire and other damage in the event of an extreme, extended overvoltage or other catastrophic occurrence.

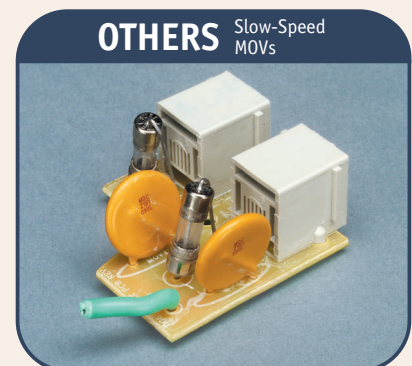
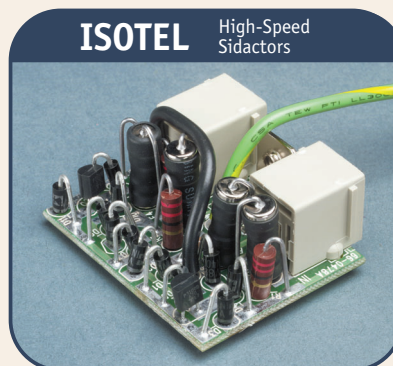
Unique Noise Filtration System



Printers and other peripherals generate harmful interference. The Isobar is the only surge suppressor that features internal barriers (Isolated Filter Banks) between its receptacles to block this interference. The Isobar eliminates noise contamination between connected equipment, eliminating computer lock-ups, data errors, audio static and video interference or "snow."

Sidactor Phone-Line Surge Suppression

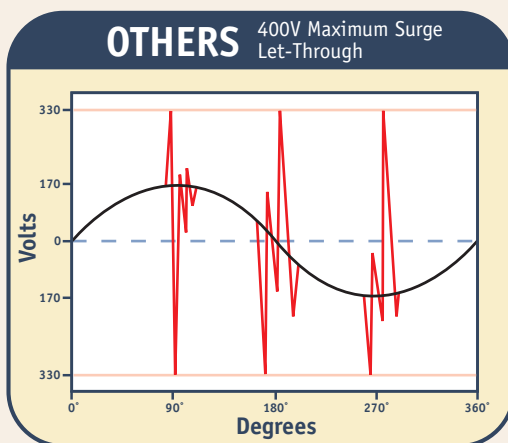
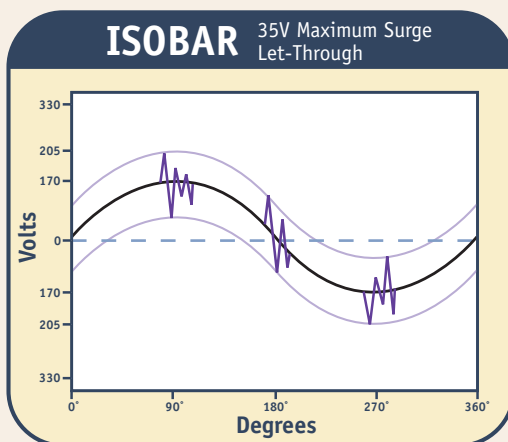
Isotel models feature high-speed sidactors to provide superior phone-line protection, as compared to surge suppressors which feature only Metal Oxide Varistors (MOVs). Sidactors suppress surges faster than MOVs, before damaging voltage builds. Unlike MOVs, sidactors feature extremely low capacitance and won't affect the speed of your vital communications.



Sine Wave Tracking

One important problem that arises when addressing surges is the point at which they occur along the sine waveform; surges that occur at the lowest point on the waveform (270°) have more room to build up destructive voltage. The Isobar solves this problem with the large, heavy-duty Ferrite Rod-Core Inductors added into the design of its multi-component surge array. The Inductors closely track the sine waveform, providing a consistent, high level of protection regardless of where the surge occurs on the waveform. The Isobar's Inductors **consistently limit surge let-through voltage to an extremely safe 35V.**

Basic surge suppressors, on the other hand, do not feature Ferrite Rod-Core Inductors; instead, they rely solely on Metal Oxide Varistors (MOVs). MOVs engage surges at voltage levels preset well above and below the sine waveform. With such a wide suppression threshold, basic models allow surges to build destructive power to varying degrees. When surges strike at the lowest point on the waveform, basic models' MOVs allow potentially damaging let-through voltage to build up to 400V or more.



Proven Safety Testing

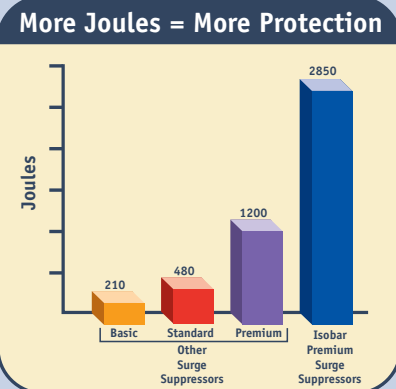
In order to provide your valuable equipment with the highest level of protection, we've designed the Isobar to outperform the highest safety standards in the industry.

All-Metal Isobar

The Highest UL-Verified Joule Ratings In Their Class

The Isobar shields your valuable equipment from damaging surges by providing UL-verified joule ratings up to 2850 and amp spike ratings up to 92,000—the highest protection level you can buy!*

*Joule and amp-spike ratings measure a surge suppressor's ability to handle surges—higher ratings mean more protection.



The Best UL Let-Through Rating

During UL 1449** testing, the Isobar was subjected to repeated 6,000V surges (much stronger than the average surge) to gauge how much energy was “let-through” to connected equipment. The Isobar passed the test with UL's best let-through rating on all three lines—330V. Although 330V is the best rating UL allows and is considered an acceptable surge tolerance for computer equipment, the Isobar surpasses even this high standard, providing **less than 35V let-through** on average.***



** The most recent revision: 1998

*** When subjected to an IEEE 587 Cat. A Ringwave

**** IEEE 587 Cat. A Ringwave

Others

Other Surge Suppressors are Found Untested and Unsafe

- 2 million surge suppressors and related products sold since 1994 have been recalled for hazards ranging from fire to electrocution.†
- 72% of surge suppressors and related products currently on the market fail to meet safety standards.‡

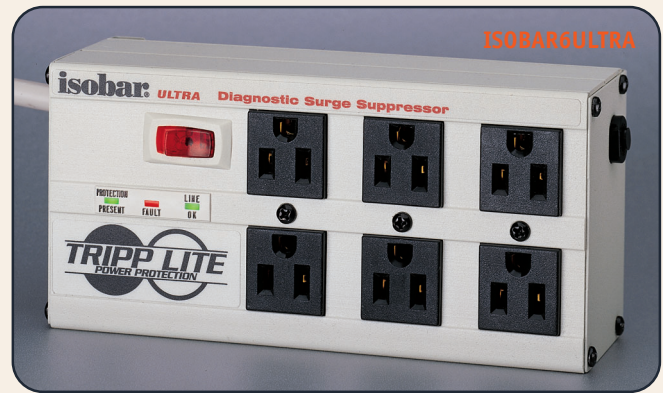
† U.S. Consumer Product Safety Commission (CPSC) recalls between 1994 and 1999. ‡ Findings of 1997 CPSC investigation of U.S. discount stores, mass merchandisers, hardware chains, etc.

Extensive Product Line

No matter how rapidly your corporate or home environment evolves, the Isobar's product line is broad enough to satisfy the requirements of every application. No other surge suppressor line maintains the same high protection levels and full feature set through each of its products.

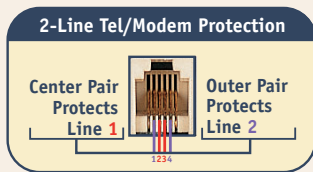
Premium AC-Line (Isobar)

This is the model that first set the standard for premium AC-line surge protection and served as the foundation for other models within the versatile Isobar family. All models include multi-component surge protection, tough metal housings, Isolated Filter Banks, sine wave tracking, 90° plugs and up to \$50,000 Ultimate Lifetime Insurance. Additionally, all models feature widely spaced outlets which accommodate multiple transformer blocks without covering other outlets. Isobar "Ultra" models feature diagnostic LEDs.



Premium AC-Line With Tel/Modem Protection (Isotel)

In addition to AC-line surge protection, most Isotel models protect against surges on a single phone line. Isotel 6 Ultra goes a step further, stopping surges on two phone lines simultaneously, offering convenient protection for multi-line homes and businesses. All models include multi-component surge protection, advanced high-speed sidactors, tough metal housings, Isolated Filter Banks, sine wave tracking, 90° plugs and \$50,000 Ultimate Lifetime Insurance. Isotel "Ultra" models feature diagnostic LEDs.



Audio/Video

Protect all of your electronics: satellite, home theater, computer, Web TV, cable modem, PC TV, TV/VCR, stereo, DVD and more! Isobar Audio/Video models safeguard your equipment from surges on up to three pathways: the AC, coaxial and phone lines. The Isobar 6 DBS includes multi-component surge protection, a tough metal housing, Isolated Filter Banks, sine wave tracking, a 90° plug, widely-spaced outlets, diagnostic LEDs and \$50,000 Ultimate Lifetime Insurance.



Under-Monitor

With a surge suppressor positioned under your computer monitor, you benefit in two ways: 1) it's easier to turn your connected equipment on and off with individual and master switches; and 2) it's safer because you can continually monitor the advanced warning lights. All models include multi-component surge protection, diagnostic LEDs and up to \$25,000 Ultimate Lifetime Insurance. Additional features on select models include tough metal housings and advanced high speed sidactors.



Rackmount

Protect an entire rack of network, phone or audio/visual equipment with one rackmount Isobar. Rackmount models occupy only one rack space and fit in all standard, 19-inch equipment racks.



Direct Plug-In

Save money by purchasing a smaller surge suppressor to protect a single piece of equipment. Direct Plug-In models have smaller capacities (2 outlets) to protect single pieces of equipment such as fax machines and copiers.



Hospital-Group

If you're equipping a medical or dental facility, now you can buy Isobar models which feature hospital-grade plugs and receptacles.



Remote-Control

Turn your equipment on and off without reaching under your desk or workbench. Isobar Remote Control models feature a lighted master switch on the end of a 9 ft. cord, which mounts on any tabletop or wall for easy access.



International (230 Volt)

Take advantage of high-quality Isobar surge protection whether you are simply traveling or equipping entire branch offices overseas. International 230 volt models feature either IEC-320 or NEMA 5-15R outlets.



Premium Features

Indestructible, All-Metal Housing

Isobar's rugged, industrial-strength metal case safely contains the strongest surges, including direct lightning strikes, which can burn through or melt cheap plastic surge strips. All-metal Isobars withstand the shocks and bumps of everyday use through every sector of your business: corporate office, retail area, factory floor, warehouse and more. Keyhole mounting slots on most models ensure solid, permanent installation.



Guaranteed Protection

Up to \$50,000 Ultimate Lifetime Insurance guarantees your equipment will stay safe from surge damage, including direct lightning strikes, for life. Unlike competitors' policies, Ultimate Lifetime Insurance begins the moment you buy your Isobar, with no forms to fill out or send in. In addition, the Isobar is backed by a Lifetime Product Warranty. Tripp Lite's rapid-response, no-questions-asked replacement policies are unmatched in the industry.



Advanced Power Condition Warnings

Isobar and Isotel "Ultra" models alert you to power problems



before you put your equipment at risk. They instantly show you whether your wall outlet is safe to plug your Isobar in (detecting wiring and ground faults) and whether or not your Isobar's level of surge suppression has been decreased as the result of surge damage.

Better Plug & Cord Design

Isobar's new right-angle plug on select models lies flat so you can move your desk or other furniture flush against the wall. In addition, when you plug your Isobar into the wall, you won't cover other outlets. The cord is angled to keep well away from outlets directly below the plug.





Technical Specifications

Model	AC Receptacles	Cord Length (ft.)	Isolated Filter Banks	Surge Energy Rating (Joules)	Surge Current Rating (Amps)	Additional Interface Type	Diagnostic LEDs*	Ultimate Lifetime Insurance	Dimensions H x W x D (inches)	Housing**
Isobar Models										
ISOBAR8ULTRA	8	12	4	2350	97,000	–	3	\$50,000	2½ x 9 x 3½	M
ISOBAR6ULTRA	6	6	3	2350	97,000	–	3	\$50,000	2½ x 7 x 3½	M
ISOBAR4ULTRA	4	6	2	2200	85,000	–	3	\$50,000	2½ x 6 x 3½	M
ISOBAR6	6	6	3	2350	97,000	–	–	\$50,000	2½ x 7 x 3½	M
IBAR4	4	6	2	2200	85,000	–	–	\$50,000	2½ x 6 x 3½	M
ISOBAR2-6	2	6	1	600	48,000	–	–	\$25,000	2½ x 5 x 3½	M
Isotel Tel/Modem Models										
ISOTEL8ULTRA	8	12	4	2850	92,000	1 line tel/modem	3	\$50,000	2½ x 9 x 3½	M
ISOTEL6ULTRA	6	6	3	2850	92,000	2 line tel/modem	3	\$50,000	2½ x 7 x 3½	M
ISOTEL4ULTRA	4	6	2	2700	92,000	1 line tel/modem	3	\$50,000	2½ x 6 x 3½	M
ISOTEL	4	6	2	2700	92,000	1 line tel/modem	–	\$50,000	2½ x 6 x 3½	M
Audio/Video Model										
ISOBAR6DBS	6	6	3	2850	92,000	1 line tel/modem 2 sets (F) coaxial	3	\$50,000	2½ x 9 x 3½	M
Under-Monitor Models										
MT 6PLUS (TouchMaster Plus)	6	10	–	1790	132,000	1 line tel/modem	4	\$25,000	2 x 13½ x 12½	P
CC16PLUS	6	9	–	1450	108,000	1 line tel/modem	4	\$15,000	2 x 13½ x 12½	M
CCC4	4	8	–	900	72,000	–	3	\$5,000	2 x 10½ x 14½	P
Rackmount Models										
IBAR12	12 (2 front 10 rear)	15	2	1280	60,000	–	3	\$25,000	1¾ x 17½ x 4	M
ISOBAR12ULTRA	12 (2 front 10 rear)	15	2	1280	96,000	–	3	\$25,000	1¾ x 17½ x 4	M
IBAR12/20ULTRA***	12 [10 rear (20-amp) & 2 front (15-amp)]	15	1	1280	96,000	–	3	\$25,000	1¾ x 17½ x 4	M
IBAR12-20T	12 [10 rear (20-amp) & 2 front (15-amp)]	15 with L5-20P plug	1	1280	96,000	–	3	\$25,000	1¾ x 17½ x 4	M
Direct Plug-In Models										
ULTRABLOK428	2	–	1	600	48,000	–	3	\$10,000	4 x 2½ x 2½	M
ULTRACOPY***	2 (20-amp)	–	1	600	48,000	–	3	\$10,000	4 x 2½ x 2½	M
ULTRAFAX	2	–	1	600	48,000	1 line tel/modem	3	\$10,000	4 x 2½ x 2½	M
ISOBLOK2-0	2	–	1	600	48,000	–	1	\$10,000	4 x 2½ x 2½	P
Hospital-Group Model										
ISOBAR6ULTRAHG	6	15	1	600	48,000	–	3	–	2½ x 7 x 3½	M
Remote-Control Model										
IB8RM	8	12	4	2350	97,000	–	–	\$50,000	2½ x 9½ x 3½	M
International (230V) Models										
ISOBAR4/220	4 (NEMA 5-15R)	6	2	330	–	–	–	–	3½ x 7 x 2½	M
EURO-4	4 (IEC-320)	6	2	330	–	–	–	–	3½ x 7 x 2½	M

* LEDs: 1=Protection Present; 3=Protection Present, Fault, Line OK; 4=Protection Present, Fault, Line OK, Low Voltage. ** Housing: M=Metal; P=Plastic. *** NEMA 5-20P plug
 Response Time (Normal Mode): Instantaneous (0 ns). Protection Modes: Line to Neutral, Line to Ground and Neutral to Ground (except ISOBAR6ULTRAHG: Line to Neutral).
 EMI/RFI Filtering: >40-80 dB. Exceeds IEEE 587 category A & B specifications. All units (except rackmount) are wall-mountable.



UL 1449 (1998 rev.): UL's standard for surge suppression; UL's best rating is 330 volt let-through. Models in this catalog have 330 volt let-through across all three lines. (Except ISOBAR6ULTRAHG: two lines; ISOBLOK2-0 and IBAR12: 400 volt let-through)
 UL 1283: UL's standard for EMI (Electromagnetic Interference). It tests a unit's ability to filter electrical noise, a common problem with electronics. Few surge suppressors have passed this tough UL category. (All models)
 UL 497A: UL's test of a unit's ability to protect communications circuits like data and telephone lines against surges and spikes. (All Isotel models and other units with tel/modem jacks)
 UL 1363: A safety listing for all temporary power taps. (All models)
 Complies with Part 68, FCC Rules (tel/modem models).
 ISOBARs are also cUL approved to Canadian Standards.

Tripp Lite: Your Single Source For Power Protection:

UPS Systems



Blackout, brownout and surge protection for stand-alone PCs, network servers and datacenters. Models from 300 VA to 10K VA.

Line Conditioners

Brownout, overvoltage and surge protection for computers and laser printers. Models from 600 to 2400 watts.



Laptop Computer Power Accessories

Portable protection for laptop computers and mobile office equipment. Models from 150 to 375 watts.



Network Surge Suppressors

Quality surge protection for data and communications lines. Models available for virtually every interface.



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