

ETA ISOBAR ISOTEL SERIES

- AC SURGE SUPPRESSION
- MULTI-COMPONENT SURGE FIREWALLS
- ISOLATED NOISE FILTER BANKS
- SINE WAVE TRACKING
- PHONE/MODEM/FAX/DSL PROTECTION



The Isobar and Isotel Technology Series from ETA Systems...

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

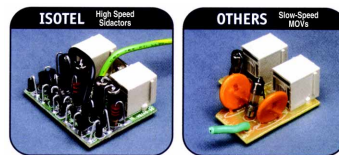
Safeguard your valuable investment with the most reliable surge suppression system available. Lab-tested and field-trusted for 20 years, Isobars provide the highest protection ratings and the most durable all-metal housings, guaranteed up to \$50,000...for life!

Extensive Product Line

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

SIDACTOR PHONE LINE SUPPRESSION

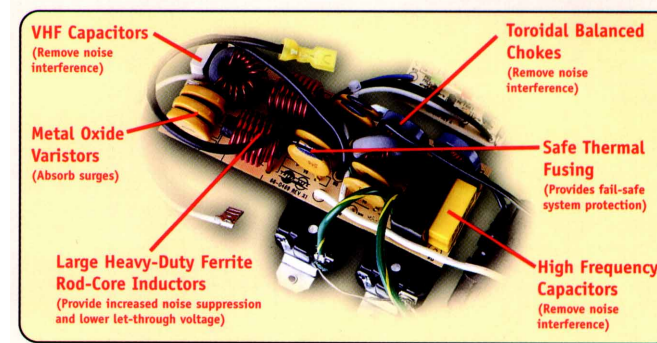
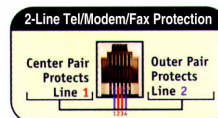
Isotel models feature high-speed Sidactors to provide superior phone-line protection, as compared to surge suppressors which feature only Metal Oxide Varistors (MOVs).



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.

2-LINE SURGE PROTECTION

Surges are stopped on both phone lines simultaneously, offering convenient protection for multi-line, multi-use lines in an office or home environment.



PROVEN SAFETY TESTING

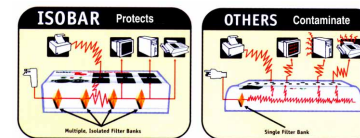
The final safety measure is provided by **Safe Thermal Fusing** which protects against fire and other damage in the event of an extreme, extended overvoltage or other catastrophic occurrence.



UL 1449 approved: The Isobar passed the test with UL's best let-through rating on all three lines—330V.

The Highest UL-Verified Joule Ratings: The Isobar shields your valuable equipment from damaging surges, providing UL-verified joule ratings up to 2850, and amp spike ratings up to 97,000 amps—the highest protection level you can buy!

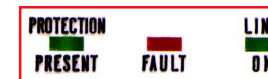
NOISE FILTRATION SYSTEM



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

ADVANCE AC POWER WARNINGS

Detect power problems before you put your equipment at risk. Instantly see if a wall outlet is safe (detects wiring and ground faults). Know if the Isobar's level of surge suppression has been decreased as a result of surge damage.



MULTI-COMPONENT SURGE FIREWALL

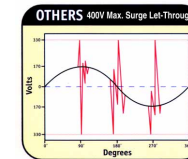
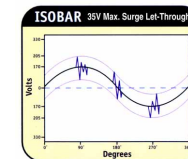
Compared to other surge suppressors, the Isobar features **more** and substantially **larger** components to provide a more effective first line of defense against surges.

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.

The Isobar, unlike other surge suppressors, provides more suppression components throughout the unit as **additional** lines of defense.

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. The Inductors closely track the sine wave form, providing a consistent, high level of protection regardless of where the surge occurs.



The Isobars' Inductors consistently limit surge let-through voltage to an extremely safe 35V.

Basic surge suppressors 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 model MOVs allow potentially damaging let-through voltage to build up to 400V or more.

Up to \$50,000 Ultimate Lifetime Insurance Guarantees your equipment from surge damage. Insurance begins at purchase—with no forms to fill out or send in.




\$50,000 Lifetime Insurance




Model	Electrical	Max. Outlets	Cord Length	Max. Spike Energy	Max. Surge Current	Clamping Level	Dimensions (H x W x D, in.)
PD12IBP ⁺	120VAC, 50/60Hz	12	12 ft.	1280 joules	60,000 amps	140V	1.75 x 19 x 4.5
PD12IB ⁺	120VAC, 50/60Hz	12	12 ft.	1280 joules	96,000 amps	140V	1.75 x 17 x 4
PD12 ⁺	120VAC, 50/60Hz	12	12 ft.	1050 joules	60,000 amps	140V	1.75 x 19 x 4.5
PD8IB	120VAC, 50/60Hz	8	12 ft.	2350 joules	97,000 amps	140V	2.5 x 9 x 3.5
PD6IBAV	120VAC, 50/60Hz	6	6 ft.	2850 joules	92,000 amps	140V	2.5 x 7 x 3.5
PD6IBHG	120VAC, 50/60Hz	6	15 ft.	600 joules	48,000 amps	140V	2.5 x 7 x 3.5
PD6IB	120VAC, 50/60Hz	6	6 ft.	2350 joules	97,000 amps	140V	2.5 x 7 x 3.5
PD6IT	120VAC, 50/60Hz	6	6 ft.	2850 joules	92,000 amps	140V	2.5 x 7 x 3.5
PD4IB	120VAC, 50/60Hz	4	6 ft.	2200 joules	85,000 amps	140V	2.5 x 6 x 3.5
PD6ISHG	120VAC, 50/60Hz	6	6 ft.	1190 joules	60,000 amps	140V	7.75 x 8.25 x 12.25

LEDs: 1 = Protection Present; 3 = Protection Present, Fault, Line OK; 4 = Protection Present, Fault, Line OK, Low Voltage

Response Time (Normal Mode): Instantaneous (0 ns)

Protection Modes: Line to Neutral, Line to Ground, Neutral to Ground (except PD6IBHG Line to Neutral)

 UL 1449 (1998 rev.): UL's standard for surge suppressors; UL's best rating is 330 volt let-through across all 3 lines. (Except IsoBar PD6IBHG; 2 lines.)
 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 RJ11 jacks.)
 UL 1363: A safety listing for all temporary power taps. (All models)

 The ISOBAR PD6IBHG is designed to meet the leakage current requirements of UL 544.
 Complies with Part 68, FCC Rules (Modem/Fax Models).
 ISOBARs are also cUL approved to Canadian Standards.
 + UR recognized only.

ETA...The Benchmark By Which Professionals Compare.

For over 25 years ETA has developed, manufactured, and sold high amperage theatrical lighting systems from which have evolved an extensive line of rack mounted conditioned power distribution products designed to protect today's sensitive electronic digital equipment.










The "PD" Conditioned Power Distribution Series easily deals with normal AC line power fluctuations, as well as the more drastic abnormalities of the spike and surge variety. Also, the filtering of interferences—caused by electromagnetic (EMI) and radio frequency (RFI) transmissions—is routinely accomplished. More sophisticated ETA models utilize microprocessor technology to regulate AC power and sequence power turn-on—reducing high in-rushes of power.

ETA's sophisticated electronic protection technology is the favorite of professionals who demand flawless operation of digital mixers, processors, amplifiers and PCs—whether in the studio, in the boardroom, on tour, in a home studio or home entertainment environment.



ETA SYSTEMS
The Power Just Keeps On Coming
 www.etasys.com
 LIT 109 4/03
 1532 Enterprise Pkwy, Twinsburg OH 44087, USA • (800) 321-6699

ISOBAR / ISOTEL TECHNOLOGY: 15 AND 20 AMP SERIES... FROM ETA

	PD12IBP	<ul style="list-style-type: none"> 12 outlets (2 front NEMA 5-15R/ 10 rear NEMA-5-20R) and diagnostic LEDs 1280 joules AC surge suppression with EMI/RFI filtering Rackmount (1U), wall mount, undercounter and other creative mounting options 12-foot AC cord with NEMA 5-20P straight-in plug connection \$25,000 Ultimate Lifetime Insurance
	PD12IB	<ul style="list-style-type: none"> 12 outlets (2 front NEMA 5-15R/ 10 rear NEMA-5-15R) and diagnostic LEDs 1280 joules AC surge suppression with EMI/RFI filtering Rackmount (1U), wall mount, undercounter and other creative mounting options 12-foot AC cord with NEMA 5-15P straight-in plug connection \$25,000 Ultimate Lifetime Insurance
	PD12	<ul style="list-style-type: none"> 12 outlets (6 front NEMA 5-15R/ 6 rear NEMA-5-15R) and diagnostic LEDs 1050 joules AC surge suppression with EMI/RFI filtering Rackmount (1U), wall mount, undercounter and other creative mounting options 12-foot AC cord with NEMA 5-15P straight-in plug connection \$25,000 Ultimate Lifetime Insurance
	PD8IB	<ul style="list-style-type: none"> 8 outlets (5-15R) and diagnostic LEDs 2350 joules AC surge suppression with EMI/RFI filtering Isolated filter banks eliminate interference between connected equipment 12-foot AC line cord with space-saving angled input plug \$50,000 Ultimate Lifetime Insurance
	PD6IBAV	<ul style="list-style-type: none"> 6 outlets (5-15R) and diagnostic LEDs 2 sets of coaxial jacks protect 2 satellite, cable TV, cable modem or broadcast antennae signal lines 2850 joules AC surge suppression with EMI/RFI filtering Isolated filter banks eliminate interference between connected equipment 6-foot AC line cord with space-saving angled input plug \$50,000 Ultimate Lifetime Insurance
	PD6IBHG	<p>Features:</p> <ul style="list-style-type: none"> 6 hospital-grade outlets (5-15R) and diagnostic LEDs 600 joules AC surge suppression with EMI/RFI filtering Isolated filter banks eliminate interference between connected equipment 15-foot AC line cord with space-saving angled input plug
	PD6IB	<ul style="list-style-type: none"> 6 outlets (5-15R) and diagnostic LEDs 2350 joules AC surge suppression with EMI/RFI filtering Isolated filter banks eliminate interference between connected equipment 6-foot AC line cord \$50,000 Ultimate Lifetime Insurance
	PD6IT	<ul style="list-style-type: none"> 6 outlets (5-15R) and diagnostic LEDs 2 sets of RJ11 jacks for tel/modem/fax/DSL surge protection 2850 joules AC surge suppression with EMI/RFI filtering Isolated filter banks eliminate interference between connected equipment 6-foot AC line cord with space-saving angled input plug \$50,000 Ultimate Lifetime Insurance
	PD4IB	<ul style="list-style-type: none"> 4 outlets (5-15R) and diagnostic LEDs 2200 joules AC surge suppression with EMI/RFI filtering Isolated filter banks eliminate interference between connected equipment 6-foot AC line cord with space-saving angled input plug \$50,000 Ultimate Lifetime Insurance
	PD6ISHG	<ul style="list-style-type: none"> Isolation transformer offers line isolation, continuous noise filtering and enhanced common mode surge suppression Full UL2601-1 medical grade listing with hospital-grade plug and outlet receptacles Includes 6 NEMA5-20R hospital-grade output receptacles, 6 ft. power cord, hospital grade input plug, circuit breaker overload protection and lighted power switch 1800 watt capacity