

# Computer-Grade Filtering for Limited Spaces Ensures Maximum System Uptime



## Need a Power Protection Device with a Small Footprint?

For power protection applications that require an ergonomic device due to space constraints, the Smart Cord is a versatile device that can meet the needs of the most demanding layouts. The Smart Cord is an electronic power conditioner that is engineered to provide reliable power protection in a small footprint and has the capability to fit into virtually any tight space. The Smart Cord is an ideal fit to provide power protection for point of sale systems, office automation equipment, computer/IT equipment, and security systems.

Utilizing power protection on microprocessor based equipment eliminates power issues that cause disruption, degradation, and destruction to electronic components and is a necessary step to safeguard equipment purchased. Power protection enables companies to maintain or improve productivity and ensure system reliability that will lead to a lower total cost of ownership and greater return on investment.

### Benefits of Power Protection:

- ▶ It reduces downtime, error codes, frozen screens, "no problem found" service calls
- ▶ Protects computers, POS systems and other microprocessor based products against the most severe spikes and surges
- ▶ Gives the maximum reduction in service calls
- ▶ Lifetime product warranty

If the Smart Power Systems equipment fails and this failure allows a surge to pass through and damage the connected equipment, Smart Power Systems will pay for the repair or replacement of the connected equipment up to \$25,000.



## About the Smart Cord

The Smart Cord is an ergonomic computer grade filter that is ideal for environments where a power conditioner is required but space is limited. The Smart Cord is an electronic power conditioner equipped with "smart ground" technology which eliminates ground loop current in networked systems. The Smart Cord is used as a power protection solution for networked equipment such as POS systems, computers and many other microprocessor based products.

### Transformer Based Filters (TBF™)

Smart Power System' patented TBF™ technology is the first application of the differential transformer and electronic circuit to provide computer-grade filtration.

Patented TBF™ technology protects against minor and severe spikes and surges that comprise over 80% of power problems.

#### Benefits

Smart Power Systems' TBF™ technology eliminates power issues that cause disruption, degradation and destruction to electronic components. Benefits include enhanced operation, reduced downtime and extended operating life.

#### Performance Factors

- ▶ Common Mode Noise Filtering
- ▶ Normal Mode Noise Filtering
- ▶ Filters the ground noises to less than 0.5 Volts
- ▶ Faulty Wiring Detection
- ▶ Surge Protection
- ▶ Prolonged Over Voltage Protection
- ▶ Compatible with GFCI circuit

### Features

- ▶ **High Voltage Surge & Lightning Protection**  
Stops dangerous surges from damaging computers and other microprocessor-based electronics.

**Smart Power Systems is the first and only one to offer the following patented features:**

- ▶ **Low Voltage Spike & Noise Protection in Common Mode Area** (US Patent#6229682)  
Filters down to 0.5 Volts and stops disruptions of electronics.
- ▶ **"POVP™" Prolonged Over Voltage Protection** (US Patent #6560086)  
Protects connected equipment against destructive over voltage.
- ▶ **Reverse Polarity/No Ground Protection** (US Patent #5721661)  
Exclusive Smart Technology identifies and protects connected equipment against reverse polarity or no ground, making the Smart Cord Fail-Safe.
- ▶ **Ground Loop Protection**  
Transformer based technology compatible with GFCI circuit (Patent Pending) protects against ground loop currents which can cause data errors, component failures and safety hazards.

### Specifications

	SMART CORD TBF
INPUT/OUTPUT	120V
OUTPUT CURRENT	7 or 10 Amps
OUTPUT RECEPTACLE	(1) IEC & (1-3) 5-15R
INPUT CORD AND PLUG	5-15P - 6 Feet
*SPIKE TRANSIENT LET THROUGH VOLTAGE (Common Mode)	<b>&lt;0.5 Volts</b>
*SPIKE TRANSIENT LET THROUGH VOLTAGE (Normal Mode)	<b>&lt;10 Volts</b>
SIZE (H x W x D) (In.)	4 x 2.37 x 2
NET WEIGHT (Lbs. / Kg.)	1.18 / 0.53
SAFETY	UL 1449 3rd. Edition, UL 991, UL1283

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- \* Tested under IEEE C62.41 Cat.A & B Ring wave
- Different models are available for 120V, 208V, 15 Amp or 20 Amp.



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