

800-882-8285

Protect POS system  
from dangerous  
spikes, surges and  
ground loop  
disruptions

# Smart Cord

ELECTRONIC POWER CONDITIONER

Computer-Grade Filtering for Maximum  
System Uptime



## What it does

- Reduces downtime (blue screens, frozen screens, "no problem found" service calls)
- Prevents data loss from system crashes
- Protects your investment
- Increases customer satisfaction

## Protection against...

- High voltage surges & lightning
- Low voltage transient noise
- Prolonged over voltage
- Reverse polarity/No ground outlets
- Ground loop protection



## Benefits

- Increase uptime
- Save money on power related service calls
- Improve business productivity
- Systems operate as intended
- Protected equipment lasts longer
- GFCI Compatible - It won't disable GFCI safety feature

For power protection applications that require an ergonomic device due to space limitations, 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 for electronic equipment with less than 10 Amp of current output.

Utilize TBF™ power protection technology to eliminate power-related issues that cause disruption, degradation, and destruction in electronic components. Safeguards equipment for improve productivity and ensures system reliability leading to lower service department expenses for greater service agreement profitability.

## Applications



**SmartPower**  
SYSTEMS

A POWER QUALITY COMPANY

# Smart Cord

## ELECTRONIC POWER CONDITIONER



Patented  
Technology

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.

### What is TBF™ Technology?

A Transformer-Based Power Filter, or TBF™ for short, is a revolutionary, patented technology that is embedded in every Smart Power System power protection device. Simply put, TBF™ is the most effective technology for regulating power so that issues like power spikes, surges and noise do not affect the ability of your equipment to operate properly.

### 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 to less than 0.5 Volts
- ▶ Normal Mode Noise Filtering to less than 10 Volts
- ▶ Faulty Wiring Detection
- ▶ Surge Protection
- ▶ Prolonged Over Voltage Protection
- ▶ Compatible with GFCI circuit

### 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)	<0.5 Volts
*SPIKE TRANSIENT LET THROUGH VOLTAGE (Normal Mode)	<10 Volts
SIZE (H x W x D) (In.)	2 x 4.1 x 2.48
NET WEIGHT (Lbs. / Kg.)	1.18 / 0.53
SAFETY	UL 1449 3rd. Edition, UL 991, UL1283

\* Tested under IEEE C62.41 Cat.A & B Ring wave

• Different models are available for 120V, 208V, 15 Amp or 20 Amp.  
All specifications are subject to change without notice.



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.



UL 1449 3rd. Edition Listed

### Features

- ▶ High voltage surge & lightning protection  
Stops surges from damaging electronic equipment. (US Patent #6229682)

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 ground noise down to 0.5 Volts to stop disruption in electronics performance.
- ▶ "POVP™" prolonged over voltage protection (US Patent #6560086)  
Monitors incoming voltage and shuts down during over voltage conditions.
- ▶ Identifies 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.
- ▶ Smart ground for ground loop protection (Patent Pending)  
Transformer based technology compatible with GFCI circuit protects against ground loop currents which can cause data errors, component failures and safety hazards.
- ▶ RJ11/45 protection optional

MODEL / PART NUMBER	DESCRIPTION
UTBF07SG-110	120V/7A, one IEC outlet
UTBF07SG-120	120V/7A, one 5-15R outlet
UTBF07SG-175	120V/7A, three 5-15R outlets
UTBF07SG-175 PLUS	120V/7A, two 5-15R outlets, RJ45 jack
UTBF10SG-175 PLUS	120V/10A, two 5-15R outlets, RJ45 jack
UTBF10SG-120	120V/10A, one 5-15R outlet
UTBF10SG-175	120V/10A, three 5-15R outlets

**SmartPower**  
.....SYSTEMS

A POWER QUALITY COMPANY

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Email: sales@smartpowersystems.com



# Smart Cord

## ELECTRONIC POWER CONDITIONER

### Specifications

MODEL	SMART CORD
Current (Amps)	7, 10
Voltage (Volts)	120
Cord	6 Ft.
Plug	5-15P
Receptacles	1 (IEC320), 1 (5-15R) or 3 (5-15R)
Network Protection	RJ45 (Smart Plus models only)
Smart Ground	Yes
Color	Black
Frequency	50/60Hz
Response Time	Instant
Efficiency	99%
Single Pulse Energy Rating	1020 Joules
Noise Attenuation Common Mode Noise Rejection (Freq: 150KHz to 6MHz)	More than 80dB
Normal Mode Noise Rejection (Freq: 150KHz to 6 Mhz)	More than 65dB
EMI/RFI (Freq: 30KHz to 30 MHz)	More than 70dB
*Spike Transient Let Through Voltage (Common Mode) (N-G)	<0.5V
*Spike Transient Let Through Voltage (Normal Mode) (L-N)	<10V
Output Crest Factor	4 Minimum
Distortion	<1%THD Added
Load Power Factor	.3 leading to .3 lagging
Overload Capability	1000% 1 Second
Size (HXWXD) (inches)	2 x 4.1 x 2.48
Net Weight (lbs)	1.18
Warranty	Lifetime
Safety	UL 1449 3rd. Edition, UL 991, UL1283

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

MODEL / PART NUMBER	DESCRIPTION
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UTBF10SG-175 PLUS	120V/10A, two 5-15R outlets, RJ45 jack
UTBF10SG-120	120V/10A, one 5-15R outlet
UTBF10SG-175	120V/10A, three 5-15R outlets

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### WARRANTY

#### Limited Lifetime Warranty

All **Smart Cord** Filters Series are guaranteed free of defects in material or workmanship for the life to the original purchaser --or, they will be repaired or replaced free of charge. See our website for more details - [www.smartpowersystems.com](http://www.smartpowersystems.com)

#### \$25,000 Connected Equipment 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 of the original purchaser . See our website for more details - [www.smartpowersystems.com](http://www.smartpowersystems.com)



UL 1449 3rd. Edition Listed

