SmartPower™ SYSTEMS

A POWER QUALITY COMPANY

Computer-Grade Filtering for Limited Spaces Ensures Maximum System Uptime

Smart Cord SMART GROUND

ELECTRONIC POWER CONDITIONER

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 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.

1-800-882-8285 • sales@smartpowersystems.com • www.smartpowersystems.com

About the Smart Cord

The Smart Cord is a 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 application of the differential transformer to power quality products. The differential transformer provides noise rejection equal to an isolation transformer with a much smaller footprint. This engineering accomplishment enabled scaling and the noise rejection desired for a wide range of amperage and voltage applications.

Voltage spikes are one of the main causes of system failures and cause thousands of service calls annually on all types of electronic systems. Service calls that are avoidable. Smart Power Systems' transformer based filters deliver unequaled performance. TBF™ technology protects against minor and severe spikes and surges that comprise over 80% of power problems. Our Smart Cord products range from 7 to 10 amps and protect systems requiring 120 Volts.

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

5 LEVELS OF POWER PROTECTION

1. **High Voltage Surge & Lightning Protection**
   (US Patent # 6229682)
   Stops dangerous surges from damaging computers and other microprocessor-based electronics.

2. **Low Voltage Spike & Noise Protection in Common Mode**
   (US Patent # 6229682)
   Filters down to 0.5 Volts and stops disruptions of electronics

3. **"POVP™" Prolonged Over Voltage Protection**
   (US Patent # 6560086)
   Protects connected equipment against destructive over voltage.

4. **Exclusive Smart Technology**
   (US Patent # 5721661)
   Protects connected equipment against reverse polarity or no ground, making the Smart Cord Fail-Safe.

5. **Smart Ground for Ground Loop Protection**
   (Patent Pending)
   Ground loops can cause data errors, component failures and safety hazards.

Specifications

	SMART CORD
INPUT/OUTPUT	120V
OUTPUT CURRENT	7 & 10 Amps
OUTPUT RECEPTACLE	(1) IEC & (1-3) 5-15R
SIZE (H x W x D) (In.)	4 x 2.37 x 2
NET WEIGHT (Lbs. / Kg.)	1.18 / 0.53
TRANSIENT LET THROUGH VOLTAGE (Common Mode)	**<0.5 Volt**
TRANSIENT LET THROUGH VOLTAGE (Normal Mode)	**<10 Volts**

03/10 PN17000710

Extra Industrial Withstand Test - The unit is tested with ANSI / IEEE C62.41 Cat. B2-6000V / 3000A (Impulse 8 by 20 micro second).

c UL LISTED

Listed UL 1449 / UL 991
TVSS Rating All modes less than 330V

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