

Power Protection for Tomorrow's Digital Copiers and All Office Equipment



COPIER GUARDIAN II SMART GROUND

ELECTRONIC POWER CONDITIONER

The only product with patented ground loop protection

Benefits of Power Protection:

- ▶ It reduces downtime, error codes, paper jams, "no problem found" service calls
- ▶ Protects copiers against the most severe spikes, surges, prolonged over voltages and ground loop currents
- ▶ Gives the maximum reduction in service calls
- ▶ Protects telephone/modem/network
- ▶ Lifetime product warranty

Applications Protected:

- ▶ MFP (Multi Function Printers)
- ▶ Digital Copiers
- ▶ Computer Systems
- ▶ Other Office Automation Equipment



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 Copier Guardian II

Copier Guardian II is a complete power filter solution that offers comprehensive power protection for copiers, fax machines, phone systems, and other office equipment. Our computer grade filters are power conditioners that protect copiers during any potential power problems and eliminate spikes, surges and line noise. The Copier Guardian II is the ideal solution to provide power protection for home or office environments.

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
- ▶ Correct Harmonic Distortions (Model Dependent)

Copier Guardian II...

- ▶ **REDUCES** Downtime
- ▶ **REDUCES** Error Codes
- ▶ **REDUCES** Paper Jams
- ▶ **REDUCES** "No Problem Found" Service Calls

Features

- ▶ **High voltage surge & lightning protection**
Stops dangerous surges from damaging digital copiers, fax machines and printers.

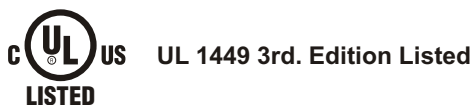
Smart Power Systems is the first and only one to offer the following patented features:

- ▶ **Low voltage spike & noise protection in common code** (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.
- ▶ **Exclusive Smart Technology** (US Patent # 5721661)
Protects copiers against reverse polarity wiring or no ground, making the Copier Guardian II Fail-Safe.
- ▶ **Smart Ground Loop Protection** (Patent Pending)
Ground loops can cause data errors, component failures and safety hazards.
- ▶ **Cat 6 Network Protection (RJ45))Optional**
Verified by Fluke DTX1800.
Category 6 is a new standard for faster and more reliable network infrastructure.

Specifications

	COPIER GUARDIAN TBF	
INPUT/OUTPUT	120V	208V
OUTPUT CURRENT	15 or 20 Amps	
OUTPUT RECEPTACLE	5-15R or 5-20R	6-15R or 6-20R
INPUT CORD AND PLUG	5-15P or 5-20P - 6 Feet	6-15P or 6-20P - 6 Feet
*SPIKE TRANSIENT LET THROUGH VOLTAGE (Common Mode)	<0.5 Volts	
*SPIKE TRANSIENT LET THROUGH VOLTAGE (Normal Mode)	<10 Volts	
TEL/MODEM/DSL PROTECTION	RJ11	
NETWORK PROTECTION	RJ45 Cat5e (Optional Cat6)	
SIZE (H x W x D) (In.)	6.15 x 4.5 x 1.75	
NET WEIGHT (Lbs. / Kg.)	2.05 / 0.9	
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.



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