

Features

- ▶ Patented five stage hybrid technology
- ▶ Modular design lets you easily re-configure as your needs change
- ▶ Unlimited customer-configurable expansion as your network grows
- ▶ Built-in safety
- ▶ Automatic grounding

Powerware® PowerGuardian and DataGuardian



Product Snapshot

Voltage: 120 Vac
Frequency: 50 and 60 Hz
Configuration: Compact design
with optional data
protection module

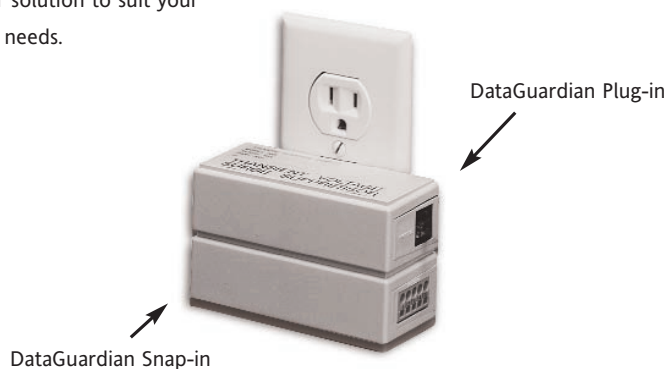
Powerware has introduced a new line of surge suppression devices designed to improve the availability of your complex network systems.

Powerware PowerGuardian and DataGuardian provide an added level of protection for both electrical and data communication lines, plus telephone line protection for a complete, integrated power protection solution.

Powerware surge suppression devices use advanced technology that is flexible and reliable. By using a modular design, you can easily re-configure your solution to suit your changing technological needs.

PowerGuardian and DataGuardian feature the highest level of built-in safety, protecting your equipment and environment from unexpected electrical events.

All from Powerware, the name you've come to trust for unparalleled network power management systems.

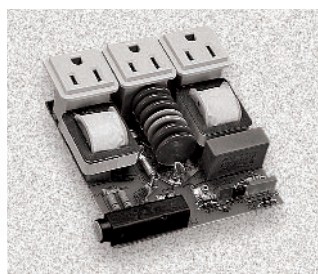


Powerware PowerGuardian

Power Protection for All Applications



Specifications	
Maximum Surge Capacity	64,000A
Maximum Energy Dissipation	740j
Maximum Response Time	Instantaneous
Performance Modes	L-N, L-G, N-G
Maximum Load Current	15A



Patented Technology

Five stage hybrid circuit protects more than hardware by controlling all transients to a low level minimizing system downtime and corruption of software.



Design

State-of-the-art technology provides the extremely precise control of transient voltages necessary to protect communication interfaces.

The PowerGuardian beats UL's best 330 volt suppression level by more than 100 volts!

Laboratory Tests Simulating the Effects of Lightning and Building Surges PowerGuardian	Surge Voltage After
6,000V (1.2/50ms) 500A (8/20ms) UL1449 test waveform	<230V Industry's Best
6,000V (1.2/50ms) 3,000A (8/20ms) ANSI/IEEE C62.41-1991 Cat B3/C1	<270V Industry's Best
4,000V (1.2/50ms) 2,000A (8/20ms) IEC 801-5	<250V

Tested to all national and international standards



PowerGuardian shown with optional snap-in modules.

Expansion

The snap-in feature allows for the addition or change of data lines as required.

Safety

Fail-safe protection is provided through both in-line thermal and short circuit fusing.

Automatic Grounding

Critical ground connection achieves a common reference for both AC surge protection and communication protection modules. This eliminates the most common error in suppressor installation.

PowerGuardian comes with a Lifetime Limited Warranty and a \$25,000 Connected Load Protection Guarantee.

Powerware DataGuardian

Data Communication Protection for All Applications

Snap-On Series

The Snap-On Series is a completely modular communications line interface protection system, providing an effective barrier between uncontrolled transient environments and electronics systems. Designed for multi-port or single port applications, the Snap-On Series offers flexibility and uniquely customer-configurable port-by-port protection approach. The Snap-On can be utilized either as a standalone device or as building blocks to create an unlimited multi-port network protection system.



Individually wall mountable for specific applications when only a single communication line requires protection.



Optional DIN rail mountable for multi-port hubs, concentrators, or where many lines are installed into the same area.



Each rail assembly accommodates a mix of up to 32 DataGuardian modules and can be mounted on any flat surface or mounted in a 19-inch rack



Snap-On DataGuardian



Snap-in Series

The Snap-in series protects your network from more than just hardware damage, it also protects against degradation and data corruption. Snap-in modules are used in conjunction with other PowerGuardian or Plug-in modules.

Plug-in Series

The Plug-in series is designed for applications when AC power is already protected by a UPS or other AC protection device. For multiple communication line applications (up to four), simply snap additional Snap-in modules into the Plug-in series for precisely tailored protection to meet your specific needs. Easily reconfigure, expand, or upgrade your protection in a matter of seconds.



Snap-In module

Plug-In module

DataGuardian comes with a 10-Year Limited Warranty.

Model Selection Guide

PowerGuardian

Description	Model Number	Dimension (LxWxH)	Weight
3 Outlet A/C & Surge Wall Plug-in	05146357-5501	5.25" x 4.12" x 1.75"	26 oz.
3 Outlet A/C & Surge Strip with 6' Cord	05146358-5501	5.25" x 4.12" x 1.75"	26 oz.
7 Outlet A/C & Surge Strip with 6' Cord	05146359-5501	8.25" x 4.12" x 1.75"	29 oz.

DataGuardian

Application	Snap-On	Snap-In	Plug-In	Connector Type	Max Operating	Clamp Voltage	Max Surge
Telecommunication Protection							
2 Wire Dial-up Standard Phone Modem	05146384-5501	05146360-5501	05146361-5501	RJ11	N/A	270 Volts	3,000A
4 Wire Lease Line	01546385-5501	05146362-5501	05146363-5501	RJ11	N/A	105 Volts	3,000A
4Wire T1 DATA	05147578-5501	05147576-5501	05147577-5501	RJ48C	>50Mhz	225Volts	10,000A
4Wire DDS/DSU/CSU Frame Relay	05146387-5501	05146366-5501	05146367-5501	RJ48S	>10Mhz	105Volts	3,000A
4 Wire Dial-up	05147575-5501	05146376-5501	05146377-5501	RJ11	N/A	270 Volts	3,000A
2 Wire ISDN	05146393-5501	05146380-5501	05146381-5501	RJ11	>80 MHz	105 Volts	3,000A
4W ADSL Modem	05147572-5501	05147571-5501		RJ45	50 MHz	270 Volts	3,000A
Network Protection							
8 Wire RS232	05146391-5501	05146374-5501	05146375-5501	RJ45	0.5 MHz	27 Volts	3,000A
8 Wire Cat 5 LAN 10/100 BaseT	05146392-5501	05146378-5501	05146379-5501	RJ45	>155 MHz	10 Volts	1,000A
LAN 100/10 BaseT Dual Port	05146394-5501			2xRJ45	155 MHz	10 Volts	1,000A
8W Category 6 GigHtz	05147574-5501	05147473-5501		RJ45	350 Mhz per pair	10 Volts	1,000A
8 Wire Cat 5 RJ45/ 110 Block	05147579-5501			T568A	155 MHz	10 Volts	1,000A
Coaxial Protection							
Coax/IBM 3270/video		05147580-5501		BNC	50MHz	15 Volts	10,000A
Cable TV,Digital Satellite	05146440-5501	05146438-5501	05146439-5501	F-Type Coaxial	1.0 GHz	<20 Volts	10,000A
Mounting DIN rails for Snap-on DataGuardian Protection:							
5" DIN Rail (Holds 4 Snap-On Modules)			05147582-5501				
17.5" DIN Rail (Holds 16 Snap-On Modules)			05147581-5501				
19" Rail w/ mounting brackets (Holds 32 Snap-On Modules)			05146383-5501				

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