

TOTAL PROTECTION SOLUTIONS FOR COMMUNICATION SYSTEMS



Provide Maximum Security for Your Network or Communication System

Compromising the level of protection you select can seriously affect the performance and reliability of your voice, network, E-911 or video system. POWERVAR provides the optimum level of protection to keep your system up and running in the harshest of electrical environments.

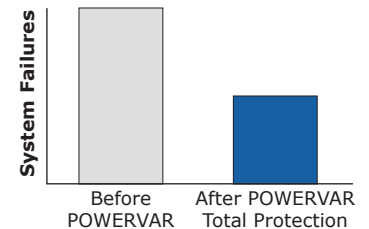


POWERVAR assures your system performs reliably and trouble-free.

A POWERVAR Total Protection Solution prevents downtime and system troubles from occurring. Delivering both power conditioning and communication line protection, the Total Protection Solution eliminates all forms of electrical disturbances which can disrupt or damage your system. It's a level of security that other protection manufacturers simply can't match. When there's no time for down time, POWERVAR'S solutions beat the competition hands down.

Cuts problems in half.

Field trial data confirms dramatic reductions in service calls. Customers who changed out their consumer grade protection to POWERVAR Total Protection reported far more reliable installations, fewer service calls, fewer software issues and reduced system and component/equipment failures. This is why major service providers recommend POWERVAR'S Total Protection Solutions to their customers.



POWERVAR power conditioned products reduce system failures by an average of 50%

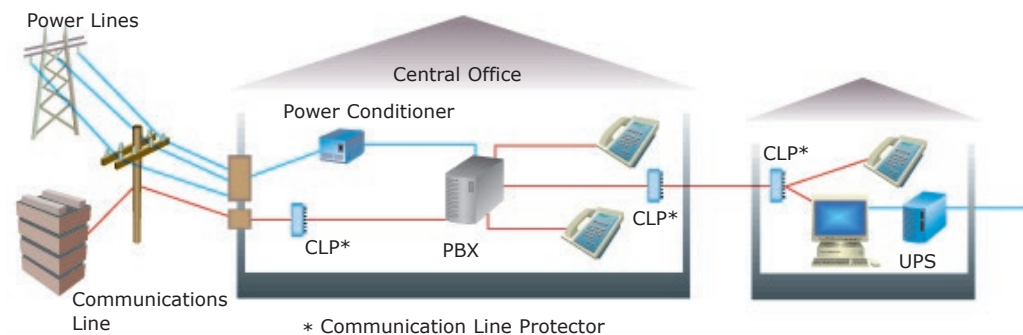
Field data from over 20,000 PBX and Key System installations

An investment which pays for itself.

Downtime is not only costly and non productive, in applications like E-911, Hospitals, Universities and Call Centers it can have a significant impact on public safety. In business applications down time affects sales, customer satisfaction levels and lost employee productivity which equates to thousands of dollars in lost revenue. POWERVAR'S Total Protection Solution pays for itself with the first outage it prevents. Factor in the elimination of future outages, plus the additional savings from longer equipment life and it's clear – POWERVAR Total Protection increases your ROI.

What you can't see can cause the most damage.

Power quality problems are like an iceberg. It's what you don't see that usually causes the most damage. POWERVAR products employ the use of a low-impedance isolation transformer, effectively protecting your system from hidden power problems that cause disturbances, disruption, and even destruction of your communication installation.



Your system is under constant attack.

Power and communications lines conduct more than just what's required to keep your system working. They also carry transient electrical disturbances that can essentially damage or shut your system down. The occasional lightning strike is a good example. High frequency transients can enter your system without you even being aware of it. External transient noise can be caused by power company utility power grid switching and power factor correction. The quality of power is determined by where you're located on the power grid. Internally, elevators, HVAC, copiers, refrigerators, microwave ovens and other equipment can create power transient noise that can damage sensitive electronics over time leading to system disruption, degradation and eventual equipment failure, destruction.

POWERVAR provides the most complete protection for communication lines.

POWERVAR's Next Generation FSTV (Frequency Selective Transient Voltage™ Technology) reduces harmful transient voltages that other technologies let through to levels that are harmless to sensitive printed circuit cards. Their robust design withstands repeated transient surges and eliminates the cost of down time due to equipment failures.

POWERVAR power conditioning eliminates all power line disturbances.

POWERVAR power conditioners and uninterruptible power supplies employ a low impedance, full output isolating transformer with POWERVAR's Virtual Kelvin Ground. It's a design that's proven uniquely effective at stopping lightning and other high voltage surges. It also completely protects your system against harmful high frequency disturbances others let through which disrupts your system.

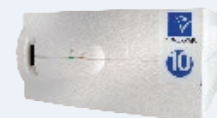
The Benefits of POWERVAR Total Protection

- **Increase** your ROI
- **Decrease** service calls
- **Maximizes** Productivity
- **Cuts** System Downtime
- **Extends** Equipment Life

POWERVAR Total Protection Solution



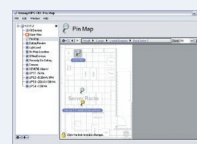
Power Conditioned UPS



Power Conditioner



Communication Line Protectors



Connectivity Solutions

Next Generation Communication Line Protectors

POWERVAR's next generation communication line protectors (CLP) eliminates harmful transient voltages that other protectors miss. The Next Generation CLP provides longer lasting protection your system requires to function as it was designed. Our Next Generation CLP's robust design will better withstand repeated voltage surges. Self-resetting sneak current protection eliminates the cost and downtime of replacement due to nuisance fuse failures.

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 **POWERVAR**
Solutions for Power Quality®