

CHLORIDE
POWER PROTECTION

When there's no time
for downtime...

*Power protection solutions with a unique
ability to preserve system reliability*



Your system is constantly under attack

Modern electronic systems are more sensitive to anomalies on the electronics supply due to higher clock speeds, increased chip densities and lower logic voltage levels. Even though they have some level of protection built into them, in an uncontrolled electrical environment they still require noise free power to operate as they were designed. Chloride Power Protection's ONEAC brand offers this higher level of protection, with and without battery backup.

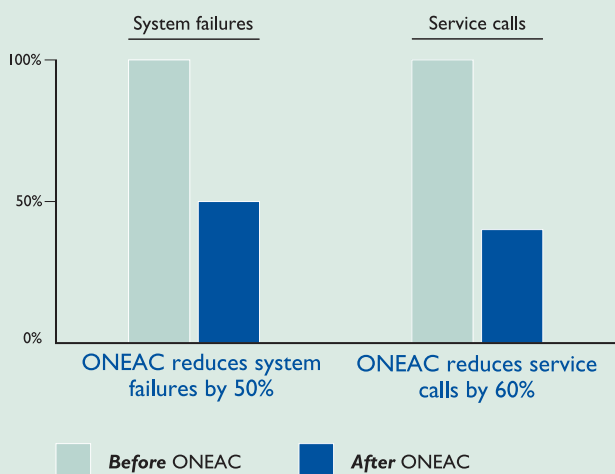
Chloride ONEAC designs and manufactures equipment that provides the highest levels of protection against power and data line disturbances. Customers who use this equipment significantly improve the reliability of their systems and ensure their applications are highly reliable, regardless of the ever-changing electrical environment.

By offering a comprehensive portfolio of conventional power protection products and the ONEAC premium-grade range, Chloride can ensure your mission critical systems receive the appropriate level of protection in line with your price-performance requirements.

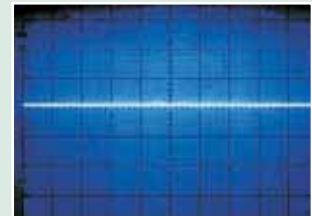
When There Is No Time For Downtime

Those who switch from conventional power protection equipment to Chloride ONEAC report:

- less system downtime
- fewer interruptions
- longer equipment life-span



Oscilloscope reveals harmful high frequency transients at the output of conventional power protection products.



Same signal shows up clean at Chloride ONEAC power conditioned output.

The oscilloscope "flat line" graphically depicts the Chloride ONEAC difference. Showing the typical power output of a Chloride ONEAC product, it reveals that all harmful electrical interference has been eliminated. Conventional products are not able to offer this level of protection.

Source: Field data from over 20,000 installations

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Our Total Solution Approach

Delivering and maintaining optimum power protection requires the highest standards throughout, from design and implementation to life-long support. Chloride Power Protection's technical expertise supports every aspect of our service, for continuous protection of your mission critical systems and essential services.

Key strengths and functions underpin Chloride's Total Solution offering:

Design

We listen carefully to fully understand the needs, requirements, application and expectation for each power protection project. We seek teamwork and partnership as an environment that encourages innovation, creativity and best results. Our aim is always to determine the most applicable and effective system of power protection to meet the overall concept and budget of each project.

Sizing and selection

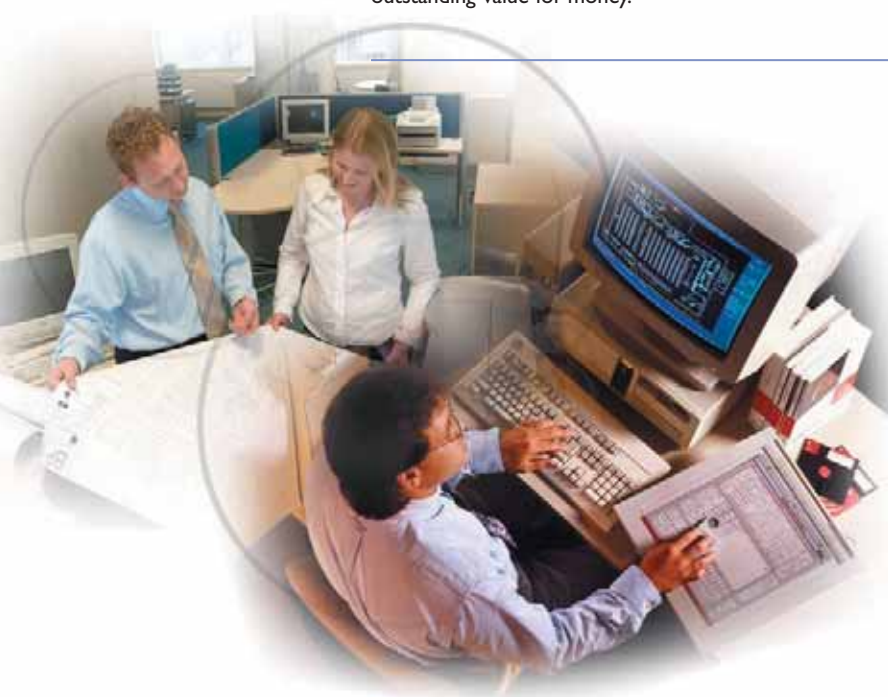
Our comprehensive product portfolio ensures that we can offer appropriate solutions to protect against degrading power quality or power failure. We will offer honest, objective advice and willingly share the benefit of our best practice gained from many years of working across all market sectors. Our aim is always to offer superior price-performance solutions that represent outstanding value-for-money.

Delivery and implementation

From supply-only through to complete bespoke installation operations, we have a proven capability to provide total system solutions. As the original equipment manufacturer, our own team of highly trained engineers are on hand throughout the UK to provide a comprehensive range of project management, system installation and implementation support services.

Whole-of-life support

Our commitment to whole-of-life support will ensure maximum system reliability and return on investment. We have the capability, resources and commitment needed to provide life-long service and technical support, tailored service and maintenance programmes, and advanced remote monitoring and diagnostics available to suit your specific requirements.



Customised Total Protection Solutions

Using our array of products and technology, combined with our design engineering expertise, we can demonstrate our capability to develop customised and special power protection systems in accordance with your precise requirements for larger projects. These systems frequently combine a UPS controller (including N + 1) together with line conditioners, rectifiers and transfer switches designed and configured as a single system solution with extended run-time options. As a fully customised solution, these systems can be effectively and efficiently packaged for indoor or outdoor applications as required.

Power protection solutions for every application

Chloride prevents downtime of mission critical electronic systems by designing and manufacturing products that provide the highest level of protection against power and communications line disturbances. Those who use Chloride products significantly improve the reliability of their systems, regardless of conditions.



Power Conditioners

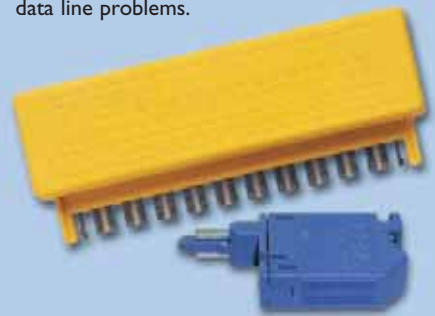
Chloride offers a number of different premium-grade Power Conditioner Solutions including medical-grade applications. The Chloride power conditioning design incorporates a low-impedance isolation transformer that limits not only peak voltage (amplitude), but also the edge-speed (frequency) of electrical transients. Chloride power conditioned solutions also feature the patented Virtual Kelvin ground™ - a unique grounding methodology that creates a noise-free power environment.

Uninterruptible Power Supplies (UPS)

Chloride knows that different applications call for different levels of power protection. And that's why we offer a number of different UPS solutions including power conditioned and non-power conditioned UPSs featuring off-line, line interactive, and on-line double conversion topologies. The equipment, the environment and the individual application are key factors in choosing the right level of protection.

Communication Line Protection (CLP)

The benefits of Chloride Communication Line Protection (CLP) go beyond lightning protection. Chloride CLPs minimise, if not eliminate, dropped calls, dropped data connections, and other random voice and data line problems.



Chloride offers a complete range of UPS products and power conditioners from 300VA up to 6.4MVA parallel installations.

This brochure only deals with low power solutions – for details of our 'hard-wired' systems which are interfaced to the building electrical supply and back-up generator or complete large-scale industrial systems, please contact your Chloride representative.

Life-long support and reliability

Installation of your UPS system is only the beginning. The innovative range of maintenance and support services available from Chloride ensures reliability for life-long protection of your mission critical systems and essential services.

24/7 Remote Monitoring and Diagnostics

Chloride's advanced remote monitoring and diagnostics capability LIFE.net provides 24-hour real-time monitoring of your UPS system, 365 days a year, by our experts in the Chloride UK Service Centre. LIFE.net is a comprehensive and proven system that differentiates Chloride from its competitors. Subscribers are provided with regular reports and operational advice and have 24/7 access to expert power management via the LIFE.net help desk.



Service and Support

It is vital not to view UPS systems as fit and forget solutions. Prevention is always better than cure and Chloride offers standard service programmes and tailored solutions to meet your maintenance and budget requirements. Regular maintenance checks will ensure your UPS equipment is maintained at the highest level of performance, so that instances of downtime are minimised and service life is prolonged.

Asset Management

For your complete peace of mind, Chloride can manage your entire UPS portfolio, coordinating roll-out programmes, scheduling battery upgrades and optimising kVA utilisation.



Intelligent Power Management

Chloride is leading the market with state-of-the-art connectivity solutions. We have the tools you need to initiate a safe and sequential shutdown of a single server or an entire network. You can also remotely monitor your UPS status

via SNMP, telnet or the Web ensuring that the self-diagnostics and redundancy elements match those designed into the IT system itself.



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CHLORIDE POWER PROTECTION

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Why Chloride?

UK's No. 1 Critical Power Protection Services Company

- **Part of Chloride Group, a British plc**
 - a focused power protection company with a proud heritage
- **Work direct with the original equipment manufacturer**
 - standard products available off the shelf or can be customised to your exact specifications
- **One of the largest UPS manufacturers in Europe**
 - world-class manufacturing capability and proven supply chain management expertise
- **Total solutions capability for the entire life of your programme**
 - pre and post sales consultancy and servicing capability
- **Support during entire project life-cycle**
 - our experienced personnel will work with you from initial design feasibility through to delivery and implementation
- **Backed by a comprehensive service offering**
 - UK's largest field service team and manned 24/7 service centre available when you need it most



Can you **afford** to **trust** your power systems to **anyone else?**