

Eaton 9395X – the neXt generation UPS



eXpanded power range
eXtreme efficiency
eXceptional power density



Powering Business Worldwide

Easily deployed. Compact. Efficient. Reliable.

The launch of the Eaton 9395X brings a new addition to our large UPS range. It builds on a legacy of proven power protection of Eaton's 9395 family, providing a market-leading footprint with the best power density, leaving more space for your revenue-generating IT equipment.

Eaton 9395X UPS offers more power in the same footprint and brings you even more reliable, cost-effective power, which is cleaner thanks to our grid-interactive technology. A world-class manufacturing process and design for easy commissioning elevate the 9395X to the shortest lead-time from order entry to starting up your critical load protection.



Eaton 9395X UPS 1360 kW

Key features:

Ease of deployment

- Faster manufacturing due to ready-built sub-assemblies
- Simplified installation with inter-cabinet busbar design
- Plug-in self-configuring power modules
- One-click configuration of large systems

Compact footprint

- Occupies up to 30 % less floorspace, leaving more room for revenue-generating IT equipment
- Installation can be against a wall or back-to-back
- Integration with switchgear saves space, as well as the cost of installation and cabling

Cost efficient & flexible

- Save on your energy bill with improved efficiency of 97.5 % and reduced need for cooling due to up to 30 % less heat loss
- Choose the correct size capacity for your immediate needs, and easily scale up later in 340 kW steps
- Optimized battery sizing with wide battery DC voltage range

Easy maintenance

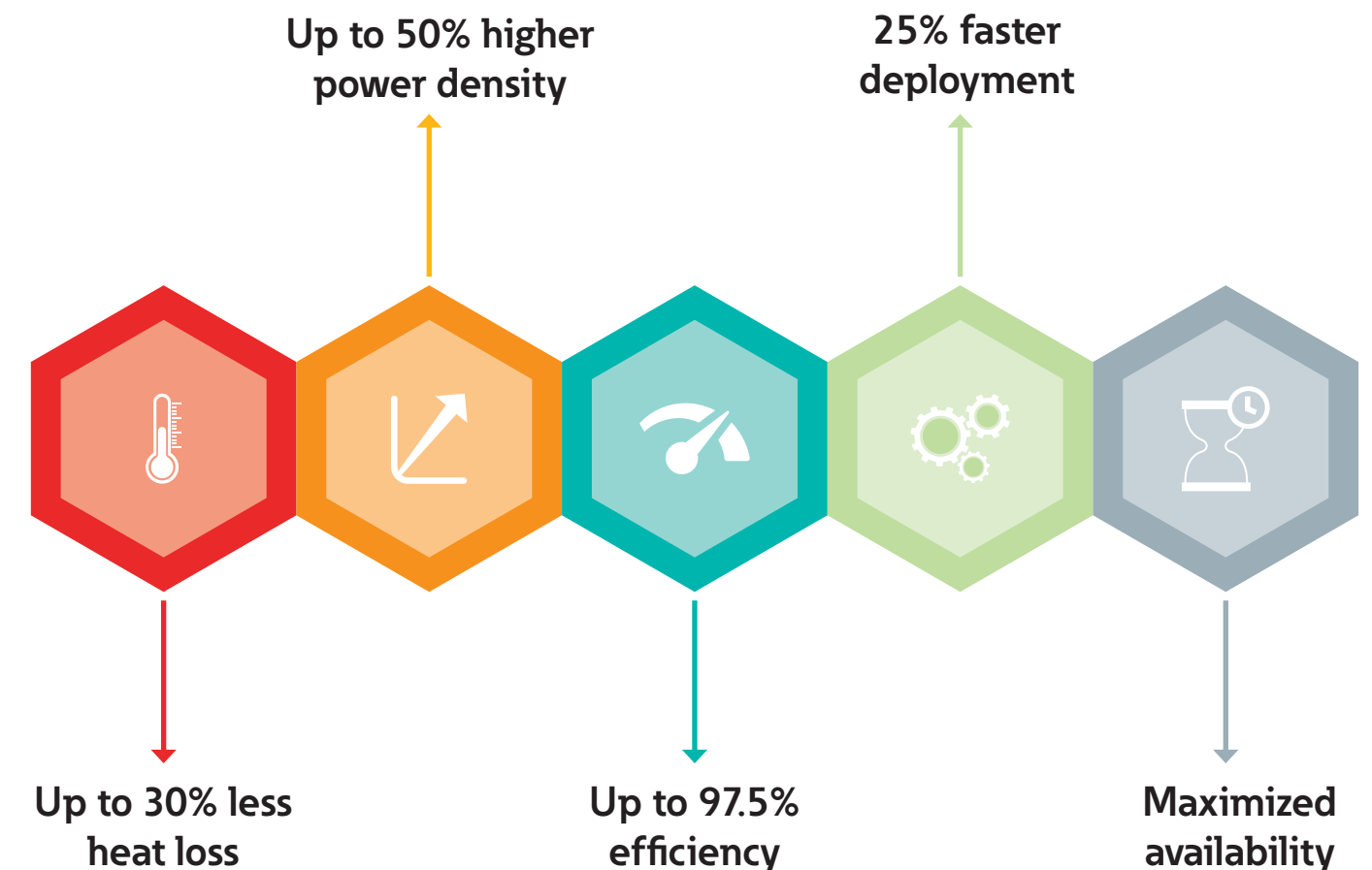
- More reliable self-monitoring system
- Less need for scheduled maintenance checks
- Safe maintenance while keeping loads protected
- System status information provided

More resilient

- Builds on the capabilities of the proven Power Xpert 9395P UPS
- Improved environmental tolerance for modern datacenters
- Component condition monitoring
- HotSync patented load-sharing technology

EnergyAware

- Native grid interactive capabilities
- Reduce facility operating costs or earn revenue through energy market participation



Sustainability

We are responding to the growth in electrification and helping to mitigate climate change by deploying our four-part sustainability strategy as we meet today's changing power management needs.



Creating sustainable solutions

- 15% reduction in Scope 3 emissions
- \$3 billion in sustainability R&D



Reducing our footprint

- 50% reduction in carbon emissions
- Carbon neutral by 2030



Our 2030 sustainability targets



Engaging our employees and communities

- 80%+ employee engagement rating
- 12 hours training and development per employee each year



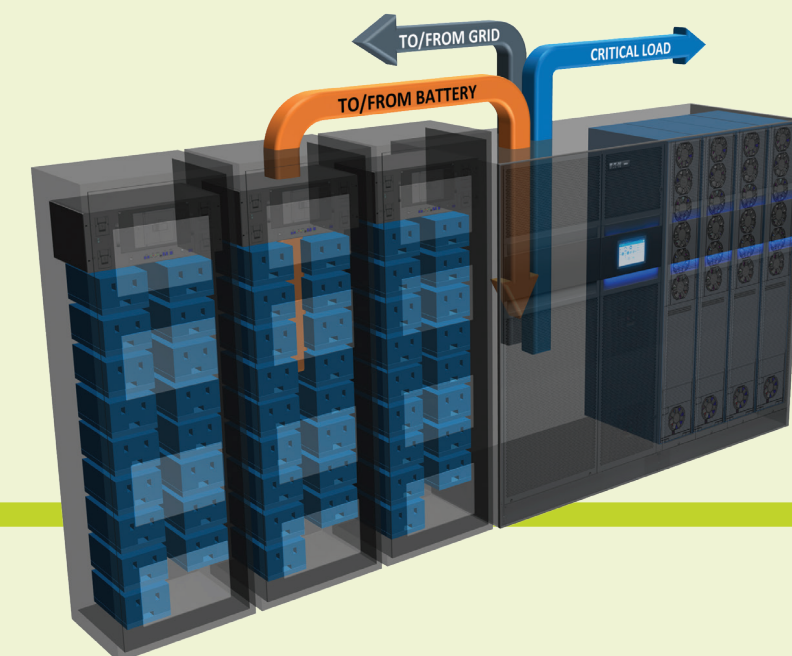
Doing business right and transparency

- 50%+ improvement in safety metrics
- No human rights violations from key suppliers

Eaton 9395X UPS is EnergyAware

Energy is often seen as a cost centre. But it can be a revenue generator.

An Eaton EnergyAware UPS supports the environment and wider use of renewable energy through demand response and ancillary services, positively impacting Corporate Social Responsibility while creating savings and additional revenue – all of which increases a data centre's competitiveness. All this in a fail safe and controlled way, using stored energy in parallel with mains and keeping enough energy to meet back-up time requirements and always prioritizing critical load protection.



Typical returns up to **50 000 € per MW** of power allocated to grid support per year

Resilient and secure power protection

Power availability is the most important thing we provide for our UPS customers. The Eaton 9395X UPS which is designed with this in mind, includes new technologies and advanced features.

Built for resiliency

The Eaton 9395X UPS is built to a fault-tolerant, modular design that keeps your critical loads protected, no matter what. Eaton's patented HotSync technology secures load sharing, ensuring there's no single point of failure.

The in-built intelligence of the Eaton 9395X UPS provides insights on the condition of critical components within the UPS, environmental conditions and power quality. This also enables integration with power management systems that allow remote or on-site deployed monitoring, analytics and reporting.

You can thus focus on your core business, confident in the knowledge that our reliable, self-monitoring system will keep your critical loads protected - and your system operators well informed.

Component condition monitoring

With its advanced monitoring capabilities, the Eaton 9395X UPS provides insight into core component aging. Eaton 9395X UPS offers environmental and performance sensing, providing detailed insights on the condition of components, such as power electronics, fans and capacitors, environmental conditions, and performance metrics. By doing this, the Eaton 9395X UPS encourages timely replacement of aging components, reducing your operating costs from both planned and unplanned maintenance.

Unconditional autonomy and redundancy

Eaton 9395X UPS provides you with unconditional autonomy and redundancy through its unique design and technologies. Its modular design allows inherent redundancy on power module level. It automatically isolates the related module when a fault is identified while the other modules continue supplying the critical load. Inherent load sharing between internal modules and parallel UPS's in any condition is ensured by the Hot Sync technology. Eaton 9395X UPS Advanced Battery Management technology increases battery life by engaging an intelligent charging routine that reduces unnecessary charging and increases battery life.

Cybersecurity

Cybersecurity is at the core of our "secure by design" philosophy and is embedded in all Eaton's Intelligent Power products and platforms that we bring to market.

Did you know?

Eaton is the first in the industry to receive IEC 62443-4-2 and UL 29001-1 certifications by providing protection against cybersecurity threats with Eaton Gigabit Network Card and Industrial Gateway Card.



Eaton Cyber Secured Monitoring

Eaton Cyber Secured Monitoring is the right solution to connect your device without any compromise to security and availability. It runs on a secured cloud and allows enabling services such as Health Reports and early anomaly detection that help to mitigate downtime risk associated with the critical components (battery, capacitors, fans etc.). Eaton Cyber Secured Monitoring can be deployed on-site or with cybersecure remote connection with any supported Eaton UPS equipped with the gigabit network card or the industrial gateway card.

Eaton Cyber Secured Monitoring

Eaton deliverables

Benefits

24/7 monitoring by Eaton specialist team*

Faster response to malfunctions reducing delay related to travel to site

UPS remote monitoring portal including real-time UPS diagnostics to evaluate situation before travelling to site

Minimized risk related to power interruption due to reduced MTTR and increased first time fix rate

Early anomalies notification enabled by **alarms management system** managed by Eaton service expert team

Improved reliability performance by addressing early signs of degradation

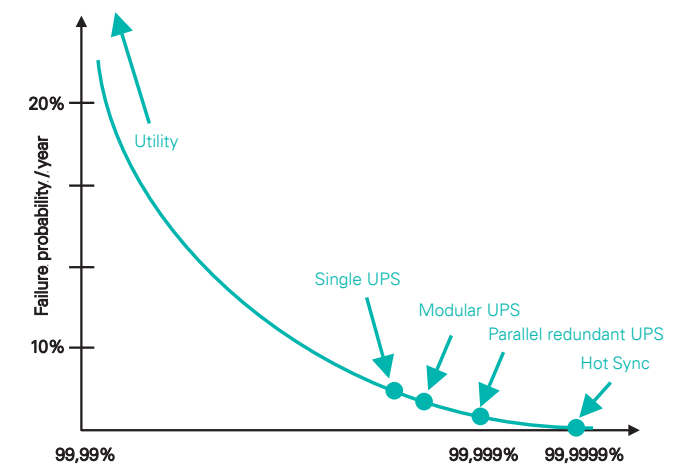
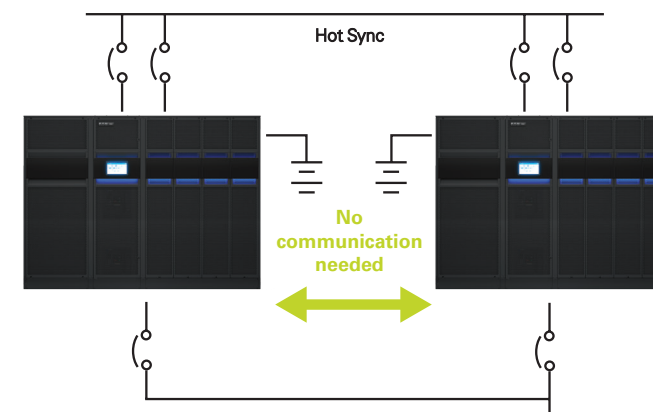
Comprehensive monthly health report of UPS performance and Eaton recommendations

Proactive **maintenance investment optimization** to execute only the tasks that are needed

*24/7 monitoring is only available with Remote Monitoring

HotSync - designed for 100 % uptime

Parallel load-sharing technology which increases reliability whilst eliminating the risk of single point of failure. Hotsync technology guarantees the safe and reliable operation of the UPS by synchronizing parallel power modules and UPSs without the need for a communication link or synchronization signals.



Lithium-ion ready

Seamless integration with Lithium-ion battery monitoring systems to allow **a single interface for all system status information**. Eaton 9395X provides more flexibility for optimal battery sizing with a wide DC voltage range.

Proven product with new innovative technologies

The latest addition to the 9395 UPS family, the Eaton 9395X UPS builds on a legacy of proven power protection through innovative technology. This ground-breaking UPS provides a market-leading footprint with the best power density, leaving more space for revenue-generating IT equipment. A world-class manufacturing process and design for easy commissioning elevate the Eaton 9395X UPS to the shortest lead-time from order entry to starting up your critical load protection.

Global solutions for global users

The Eaton 9395X UPS comes with a global product offering that can be tailored to your needs. This is made possible by using the same product platform to meet the needs of each of our customers, no matter where they are located.

Our in-house design and manufacturing capabilities are market-leading and we can prove the quality of our manufacture, right down to the component level.

Eaton's global network of more than 2,000 support and service personnel ensures that your system is kept in check over its operational lifetime.

Future-ready

The Eaton 9395X UPS extends the range of high-efficiency UPS solutions to a larger size, allowing datacenters to build highly reliable, energy-efficient, and environmentally sensitive systems in a bigger scale.

The Eaton 9395X UPS offers grid-interactive capabilities together with Lithium-ion battery support that allows datacenters to be at the forefront of the ongoing transition to more sustainable energy production.

Reducing your Total Cost of Ownership (TCO)



Compact footprint

Eaton 9395X UPS offers a market-leading footprint with 30 % less space taken. The compact footprint of Eaton 9395X UPS gives more space for the revenue-generating businesses.



More power in one UPS

A bigger block size (UPS power rating) makes it possible to optimize the overall system design and reduce switchgear and installation costs by reducing the number of feeders, breakers, and cables, as well as installation work compared with parallel systems.



Online double-conversion efficiency

High online efficiency significantly lowers operation costs and provides savings in cooling because the Eaton 9395X needs less cooling. Replacing an older generation UPS with an Eaton 9395X UPS will pay for itself within three years.



Simple configuration of large systems

When customer and site specific settings have been defined for one UPS, they can be deployed to any number of UPS units on-site in minutes. Self-configuring power modules of the Eaton 9395X UPS check compatibility and update upon need before allowing the new power modules to go online. The unit specific configurations are logged with QR-codes, providing site specific installed base overview and documentation.



Pay as you grow

Eaton 9395X UPS gives you flexibility to scale up your UPS power capacity per need, with 340 kW steps. Additional self-configuring modules can be added without interruption to critical load protection.

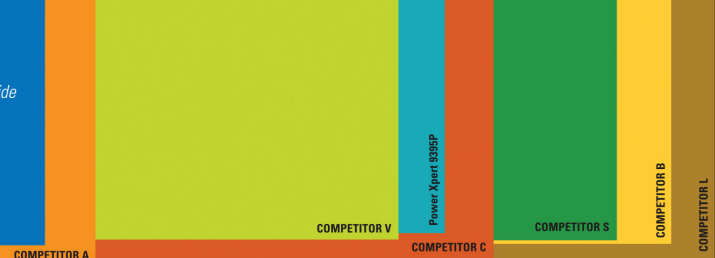
Additionally, Eaton offers a number of technologies to further improve energy efficiency and reduce the operating costs.

- Energy Saver System (ESS)
- Variable Module Management System (VMMS)
- Easy Capacity Test (ECT)

97.5% **3** YEARS PAYBACK TIME

25% VMMS **75%** ESS **REDUCTION IN OPERATION EXPENSES**

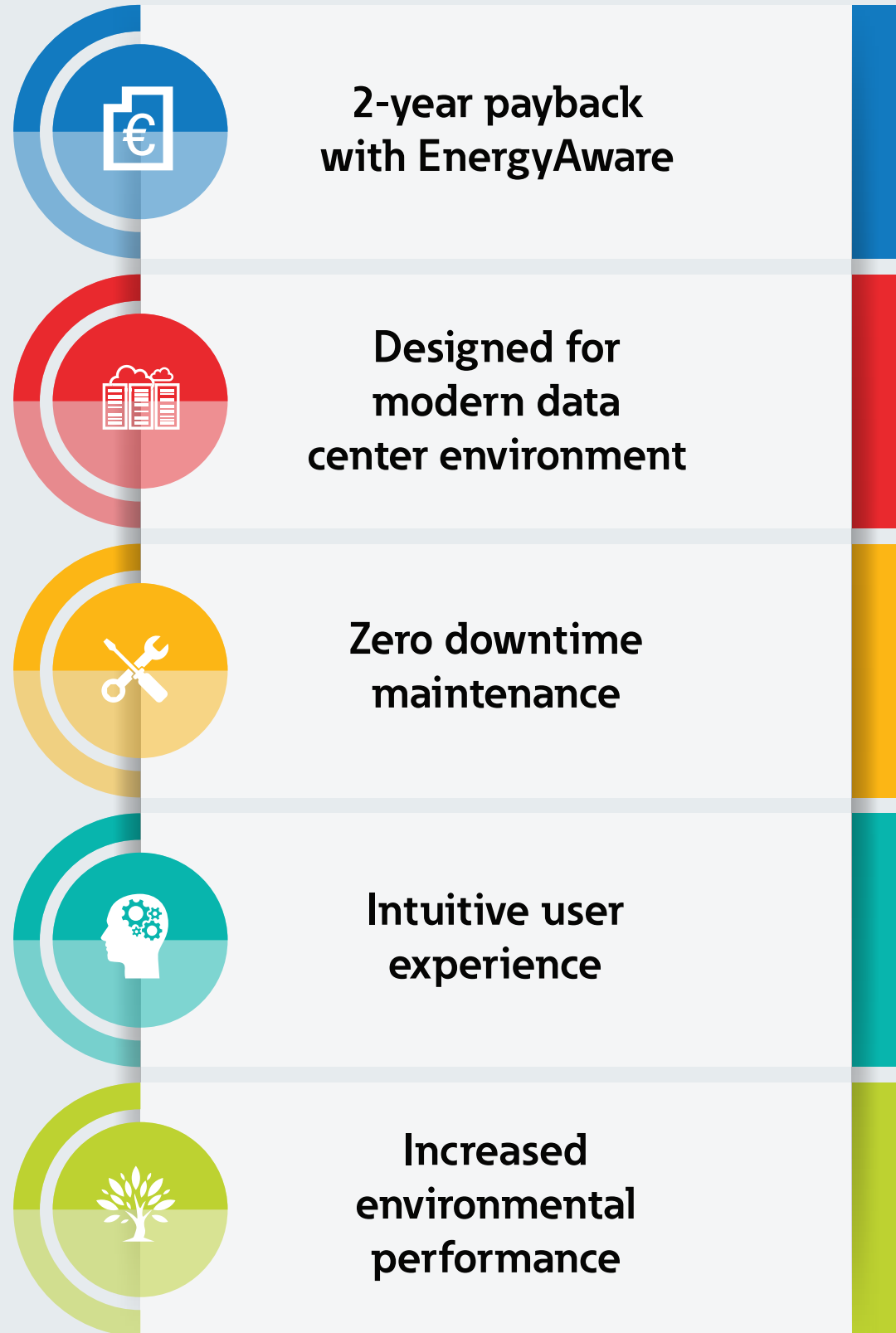




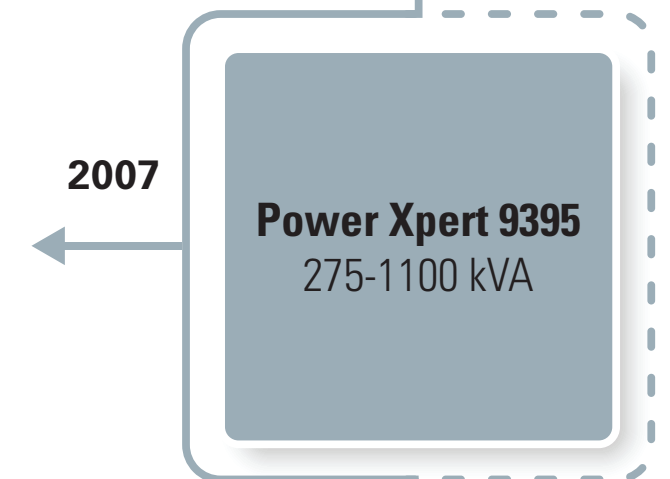
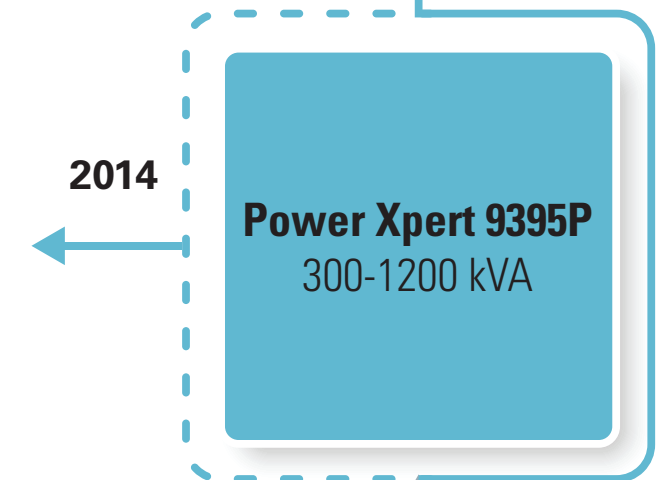
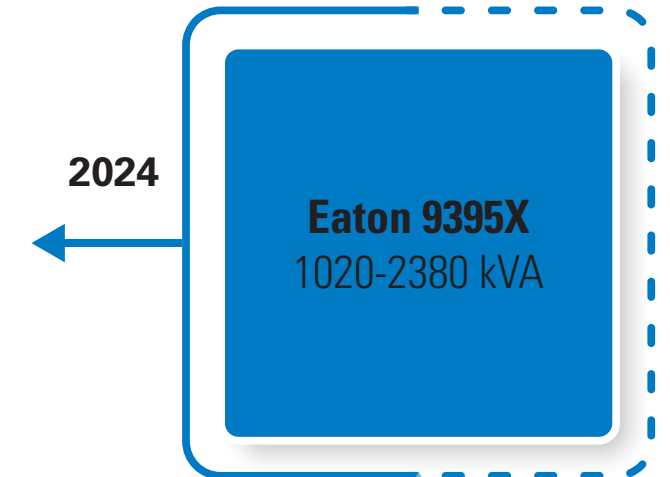
1200 kW UPS solutions | As shown by footprint size

Journey of Eaton's 9395 UPS

The Eaton 9395X UPS gives you a glimpse into the future of power protection.



The 9395 UPS product family is now delivering 15 GVA of safe, reliable power across the world, with the largest single installation consisting of a total of 930 units.



EATON 9395 X UPS



Eaton's electrical business is a global leader with deep regional application expertise in power distribution and circuit protection; power quality, backup power and energy storage; control and automation; life safety and security; structural solutions; and harsh and hazardous environment solutions. Through end-to-end services, channel and an integrated digital platform & insights Eaton is powering what matters across industries and around the world, helping customers solve their most critical electrical power management challenges.

For more information, visit [Eaton.com](https://www.eaton.com)

Eaton
EMEA Headquarters
Route de la Longeraie 7
1110 Morges, Switzerland
[Eaton.com](https://www.eaton.com)

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