

Product brochure
Eaton Connected

Eaton Connected

The all-in-one solution for power
distribution and UPS back-up power



EATON

Powering Business Worldwide

safe **RELIABLE**
FLEXIBLE

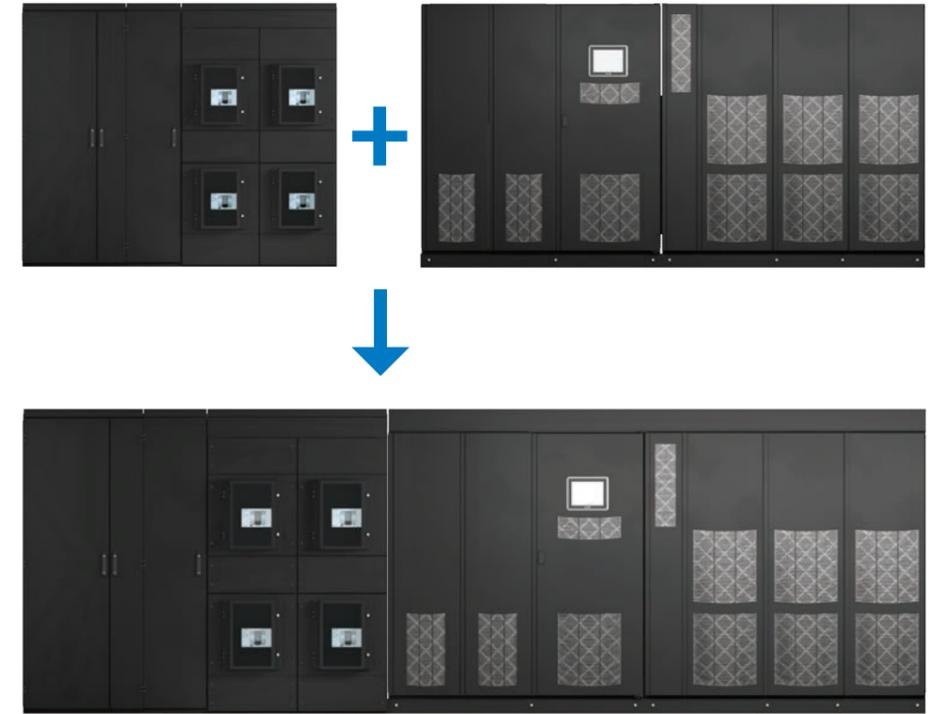
The perfect combination for your mission critical applications

You can look for a UPS that's reliable. You can search out switchgear that provides safe and efficient power distribution. You can spend time planning, designing and installing the two solutions to serve the operating environment for your mission-critical applications. Alternatively, you can save time and be sure of the results, by choosing the safe, fast, flexible, reliable and proven Eaton Connected solution.

Two products – one solution

Every one of your UPS applications requires Low Voltage power distribution. This not only connects the UPS to the relevant critical loads, but also ensures the safe and reliable operating environment that's essential for your mission critical applications.

Traditionally, meeting your needs for a UPS and the associated switchgear meant sourcing, installing and connecting two independent products. But now, **Eaton Connected** provides a pre-designed, pre-connected, combined solution that unites two proven products.



Everything Eaton

Eaton has state of the art proven solutions across both UPS and power distribution and now **Eaton Connected** brings them together.

Power Xpert CX Switchgear can now be combined with either Power Xpert 9395P UPS or Eaton 93PM UPS, to provide in one solution:

- Incoming feeder
- Maintenance bypass
- UPS solution
- Outgoing feeders

The result is combined power distribution and UPS back-up power solution, that is safe, fast, flexible, reliable – and all-in-one.



Connecting reliability and safety with design, to minimize downtime

The Eaton Connected solution ensures minimized unplanned downtime and high availability, through a combination of factors.

Eaton products are well-known for the reliability of their components, and their careful design. Bringing together an Eaton UPS and Eaton switchgear in one connected solution simply increases that reliability and emphasizes the care that's gone into the design.

High-quality Eaton components have been carefully selected to ensure reliability and safety. They have been tested against UPS and switchgear standards, as applicable, to validate their safe and reliable operation and their resilience in challenging short-circuit conditions.

But Eaton testing – and your reassurance – doesn't end there.

In addition to separate testing of the UPS and switchgear, the complete Eaton Connected solution is tested and verified as one, for your ultimate peace of mind.

Essentials of safety and availability

The Eaton Connected solution combines all the elements you would expect to maximize availability for your critical loads – in one predesigned package. Minimized unplanned downtime is ensured through:

- Maintenance bypass
- Backfeed protection
- Predetermined overcurrent protection settings
- Hotsync technology

Tried, tested, proven

The key elements of Eaton Connected are individually proven in the field in challenging applications worldwide.

The combined global installed base of the Power Xpert 9395P and Eaton 93PM UPSs is over 8GVA, and 5000 panels of Power Xpert CX Low Voltage switchgear have been delivered globally to date.



The power to get faster to market

Eaton Connected shortens your time to market, by providing you with a solution that's supplied complete.

Pre-designed and integrated, Eaton Connected makes it quicker and easier for you to plan and install a system, compared with a conventional component-based system.

The modular construction of the Eaton Connected solution allows the design to be optimized around your project-specific requirements. This not only means you achieve a solution which precisely and efficiently meets your needs, but also that your design overheads are minimized.

Modularity for scalability

The modularity of the Eaton Connected solution is not only an advantage at the design stage.

It also enables customers to invest in only the scale of solution they need to meet their current need. Then, when more power or more feeders are required, the amount of backed-up power can be increased accordingly, simply by adding more Power Xpert CX switchgear and more Eaton 93PM or Eaton 9395P power modules.

In addition, scalability and flexibility are even further enhanced by the ability to scale power distribution and UPS together or separately.

The result is a solution perfectly tailored to your current needs, with a minimum upfront investment. But also one which you can be sure can quickly be scaled to meet your changing requirements, easily, efficiently and affordably.



On schedule, on budget. The key to smoother projects.

Eaton Connected solutions are your key to projects which flow more smoothly, are completed on schedule, and come in on budget.

By bringing you pre-designed solutions and prefabricated interconnections, Eaton Connected helps you to manage installation risks by simplifying the whole process from sourcing to commissioning.

Easier co-ordination

Because Eaton Connected combines the power distribution and power back-up solution in one, it eliminates the need for on-site co-ordination for installation and deployment. The entire solution can be deployed at once – simplifying and accelerating the project stage.

Simplified sourcing

Finding suitable, reliable, affordable critical components can be time-consuming. But the critical components of the Eaton Connected are predefined, and delivered as an integral part of the solution.

As a result component sourcing, additional purchasing, and engineering on site are all eliminated at a stroke.



Power to choose

There are two back-up power options available for direct pre-connection to Power Xpert CX switchgear. With power ratings from 30-900kVA power rating and with a static switch section up to 1200kVA to meet challenging short-circuit currents, the choice is yours.

Reduce your cost of ownership

The Eaton 93PM and Power Xpert 9395P UPSs utilize the latest technology to reduce your cost of ownership. High double conversion efficiency can be achieved even for low load levels, by utilizing the VMMS (Variable Module Management System) optimized double conversion mode.

For maximum energy efficiency, utilizing the ESS (Energy Saver System) mode can deliver an efficiency level of >99%.

Realise increased reliability

The Eaton 93PM and Power Expert 9395P UPSs are quite simply the most reliable UPSs available.

Features designed to enhance their reliability include:

- Eaton's patented Hotsync technology – for paralleling power modules without load share signals
- Internal back feed protection
- Continuous 40°C ambient temperature



Low voltage. High reliability

Whatever your commercial or industrial application, The Power Xpert CX® IEC low voltage power assembly will provide reliable power distribution and motor control functionality, for ratings up to 6300A.

The reliable system

Built to a design which has been fully verified by independent third party testing in accordance with IEC 61439-2, Power Xpert CX switchgear is manufactured to the latest international standards.

Its 4B form of internal separation ensure exceptionally reliable operation at all times.

The safe system

For 300kVA and below, the Power Xpert CX features not only fixed but also plug-in compartments, which allow modification without requiring a complete system shutdown.

Breakers are automatically tripped in case of removal and there are lock-out options too – ensuring safety at all times.

The flexible system

Modular design and construction means that the CX can be expanded as and when required, to meet your changing power distribution needs.

This capability is enhanced by the solution's small footprint, resulting from the switchgear's compact design. In addition, cable connections can be made at the top or the bottom, which means the CX can be located in a range of positions and can accommodate a range of electrical designs.



Why Eaton?

Eaton is dedicated to ensuring that reliable, efficient and safe power is available when it's needed most. With unparalleled knowledge of electrical power management across industries, experts at Eaton deliver customized, integrated solutions to solve our customers' most critical challenges.

Our focus is on delivering the right solution for the application. But we offer more than just innovative products. We also provide an unwavering commitment to personal support, that makes customer success a top priority.

For more information, visit www.eaton.eu/EatonConnected

To contact an Eaton salesperson or local distributor/agent, please visit www.eaton.eu/electrical/customersupport