Eaton is continuously working with customers to develop solutions that drive sustainable growth around the globe. Our UPS solutions strive for unparalleled energy-efficiency, the efficient use of resources, the maximised use of recyclable materials and the reduction of emissions throughout the entire life of the product, from cradle to grave.

Our engineers are constantly developing smarter ways to deliver ecological and economic benefits. This includes the development of energy efficient and environmentally friendly technologies.
Design

Taking account of the environment is a part of the design process at Eaton. Four characteristics guide the design team during their work: energy efficiency, resource efficiency, recycling and compliance with regulations.

Eaton is constantly monitoring the use of hazardous substances and material its design and manufacturing processes. Our products do not contain REACH SVHCs (Substances of Very High Concern) and Eaton is complying with RoHS Directive as applicable.

The Life Cycle Assessment (LCA) process is used to gather information about the potential environmental impact of a product.

LCA@Eaton.com

“LCA results for Power Xpert 9395P UPS show that 74% of the impacts stem from energy losses in the UPS and 25% from cooling energy”

Use Phase

Green technologies

| Energy Saver System (ESS)       | Enables extremely high energy efficiency and reliability under normal operating conditions | Eaton 91PS and 93PS, Eaton 93PM and Power Xpert 9395P UPSs |
| Easy Capacity Test (ECT) technology | Enables testing of entire power train under full load stress without the need for an external load | Eaton 93E, Eaton 91PS and 93PS, Eaton 93PM and Power Xpert 9395P UPSs |
| Hot Sync technology          | Start from a single module and add power when required                                    | BladeUPS, Eaton 9PX, Eaton 9155, Eaton 93E, Eaton 91PS and 93PS, Eaton 93PM and Power Xpert 9395P UPSs |
| Advanced Battery Management (ABM) technology | Increases the life of batteries by employing a three-stage charging technique | BladeUPS, Eaton 5P, Eaton 5PX, Eaton 5SC, Eaton 9130, Eaton 93X, Eaton 9PX, Eaton 9155, Eaton 93E, Eaton 91PS and 93PS, Eaton 93PM and Power Xpert 9395P UPSs |
| Hot Swappable batteries      | Allows batteries to be replaced or removed one string at a time while the equipment is still running | BladeUPS, Eaton 5P, Eaton 5PX, Eaton EX, Eaton 9130, Eaton 93X, Eaton 9PX, Eaton 91PS and 93PS UPSs |
| EcoControl technology       | Automatically disables peripherals when the master drive is turned off                     | Eaton Protection Station, Eaton Ellipse ECO and Eaton Ellipse PRO UPSs |

End of Life

Eaton takes into account the environmental effects of the packaging and the end-of-life processing of our products. We aid more responsible dismantling, and end-of-life instructions are available for recyclers.

We are committed to adhering to the following legislation when applicable:

WEEE (Directive 2012/19/EU)
Waste Electrical and Electronic Equipment

Batteries (Directive 2006/66/CE)
Batteries and accumulators and waste batteries and accumulators

Packaging (Directive 94/62/EC)
Packaging and packaging waste

Manufacturing

Eaton is focused on building sustainable operations and managing Environment, Safety and Health (EHS) through standardisation. Our global Managing Environment, Safety and Health (MESH) programme is a unified system that consolidates existing programmes (ISO 14001, OHSAS 18001/ISO 45001, OSHA VPP) into a single integrated management system. All EMEA manufacturing locations are ISO14001 certified.

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