

Sustainable by Design

Eaton BladeUPS: An Eaton Green Leaf Solution



An Eaton Green Solution

Sustainability has always been at the heart of Eaton business. This is evident in the introduction of the Eaton® BladeUPS™ — one of the Power Quality products designated as an Eaton Green Leaf Solution.

To Eaton, sustainability reflects the ability to meet the current needs of our society while enabling future generations to better meet their own.

Accordingly, Eaton's sustainable design for products will help customers utilize electrical, fluid, and mechanical power more efficiently, while significantly contributing to protection of the environment.

Eaton believes there are significant environmental benefits associated with the design of key products and solutions that will help differentiate them in the marketplace. Yet clearly, environmental claims must be

supported by credible data and undergo an appropriate evaluation process.

In developing a standard for use of the Green Leaf, Eaton has endeavored to adhere to all guidance and advice offered by recognized organizations such as the European Union, the U.S. Federal Trade Commission and the International Organization for Standardization (ISO)

An Eaton Green Leaf Green Technologies

The Eaton Green Leaf Graphic is used to identify an Eaton product, solution, or service that offers proven exceptional environmental benefits.

It is important that our commitment to the environment be credible and substantiated. Therefore, the Green Leaf Graphic is used only where approved for a specific product, solution, or service.

Eaton Green Leaf Certified Solution

Eaton BladeUPS

The Eaton BladeUPS, a Data Centre Specific UPS, offers IT Managers with industry leading 97 percent energy efficiency even at low load levels, dissipating on average 65 percent less heat and providing a 70 percent reduction on footprint. This, all built into a modular and flexible system with intelligent monitoring, allowing the user to control through awareness and understanding. At Eaton, we call it, "Measure, Understand, Act."

Eaton BladeUPS is a revolutionary power quality solution, the modular ability allowing expansion of power protection from 12 kW to 60 kW in a single industry standard 19-inch rack, and most significantly, providing this robust, compact solution without generating the additional heat associated with legacy end-of-row, modular UPS products.



Powering Business Worldwide

Eaton Corporation is a diversified power management company with 2008 sales of \$15.4 billion. Eaton is a global technology leader in electrical components and systems for power quality, distribution and control; hydraulics components, systems and services for industrial and mobile equipment; aerospace fuel, hydraulics and pneumatic systems for commercial and military use; and truck and automotive drivetrain and powertrain systems for performance, fuel economy and safety. Eaton has approximately 70,000 employees and sells products to customers in more than 150 countries. For more information, visit www.eaton.com/powerquality

Environmentally, this means reduced energy consumption and cooling costs with lower carbon emissions. Eaton BladeUPS gives more power in less space and the ability to expand as needed, resulting in an overall reduction of materials required.

By offering 97 percent energy efficiency, it reduces energy consumption while also reducing its carbon footprint and the amount of greenhouse gases emitted.

A 65 percent average reduction in heat dissipation reduces the overall cooling costs requirements by more than one-third when compared to traditional UPS, further reducing the amount of energy consumed by the data centre.

Eaton BladeUPS also offers a 70 percent reduction in footprint, with extended capacity and greater flexibility; other top competitive solutions require three racks for the same power delivery!

Eaton BladeUPS meets the needs of its customers by providing cost-effective power quality together with reduced UPS power consumption. Eaton BladeUPS is both exceptionally beneficial to the environment and to the customer.

BladeUPS also features green technologies such as ABM® battery management technology, Powerware Hot Sync® and hot-swappable batteries.

ABM technology extends battery life by 50% compared to traditional charging methods whilst also optimizing battery recharge time for further customer savings. ABM also offers the most accurate diagnosis of battery health together with failure protection.

Eaton's patented Hot Sync® paralleling technology delivers the highest levels of reliability by allowing UPS modules to share loads without any communication wiring, giving no single point of load share and thus erasing any single point of failure.

Eaton BladeUPS contains hot-swappable components including batteries, meaning batteries can be replaced or removed one string at a time, thus reducing battery waste and providing more effective replacement while equipment is still in operation.

Beyond Compliance

Beyond these certifications, paint is not employed in the manufacturing process of the Eaton BladeUPS. By not using paint, less ecological impact is involved, less manufacturing time is required, and fewer toxic materials are used.

Additionally, all packaging and shipping materials, including user manuals and safety instructions are made of recycled carton or paper. This policy thus minimizes the impact on the environment.



Eaton BladeUPS

Feature:	<ul style="list-style-type: none">- 97 percent energy efficiency- 65 percent less heat dissipation- 70 percent reduced footprint- Scalable, modular and flexible design
Customer Benefit:	<ul style="list-style-type: none">- Best-in-class efficiency- Lower energy and cooling costs- Extended battery life- Reduced product footprint- Increased reliability and performance- More capacity
Environmental Benefit:	<ul style="list-style-type: none">- Less energy consumption- Reduced carbon footprint- Reduction of hazardous materials

For more information, please visit:
www.eaton.com/sustainability/greensolutions