

Sustainable by Design

The Eaton Green Leaf



An Eaton Green Solution

The Eaton Green Leaf label is our promise of exceptional, documented environmental performance to customers, consumers and our communities. Although all of Eaton's products and solutions are designed to meet or exceed government standards for protecting the environment, products and solutions with the Green Leaf designation go well beyond these standards to provide exceptional environmental benefit.

An Eaton Green Leaf

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 is credible and substantiated. Therefore, the Green Leaf Graphic is used only where approved for a specific product, solution or service.

An Eaton Green Leaf Solution

A Green Leaf solution is a product or system that, when used in a certain manner, benefits the environment. For example, when lighting control systems are included as part of the LEED green building standard, it is the proper use of these systems that reduces electricity and provides the benefit.

An Eaton Green Leaf Product

A Green Leaf product is one that has inherent characteristics that are beneficial for the environment, such as electrical products that avoid the use of a harmful substance like SF₆, a powerful greenhouse gas.

Environmental Standard

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 US Federal Trade Commission and ISO.



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 75,000 employees and sells products to customers in more than 150 countries. For more information, visit www.eaton.com

Eaton Guiding Principles

1. Self-declared environmental claims shall be accurate, verifiable, relevant, able to be substantiated and not misleading.
2. Environmental claims shall be based on scientific methodology that is sufficiently thorough and comprehensive to support the claim and that produces accurate and reproducible results.
3. Information concerning the procedure, methodology and any criteria used to support environmental claims shall be available and provided upon request to all interested parties to the maximum extent possible without jeopardizing proprietary information.
4. The formulation of environmental claims shall take into consideration all relevant aspects of the life cycle of the goods or service, although not necessarily using a full life-cycle analysis.

Examples of Eaton Green Leaf Certified Solutions

Eaton 9395 UPS

The Eaton 9395 UPS dramatically improves energy efficiency and sustainability, while offering a much smaller footprint than legacy systems.

Operating at greater than 94 percent efficiency, the 9395 requires less power, which in turn creates cooler operating conditions. This translates to reduced facility air conditioning requirements, while extending the life of UPS components and batteries.

Even more, the 9395's Energy Saver Mode (ESM) enables the UPS to maintain excellent input THD without the use of input filters, enabling 99 percent energy efficiency. Conversely, most competitive products must rely on input filters, which lower their efficiency rating.

The use of sustainable materials and highly efficient manufacturing technology in the design of the 9395 has resulted in the lowest UPS lifestyle carbon footprint on the market, with 80 percent less energy required for production and testing.

The 9395 also offers the smallest footprint in its class—50 to 60 percent less than competitive units.

Eaton Hybrid Electric Transmission

Hybrid Electric transmissions provide environmental benefits in terms of better fuel efficiency, reduced CO₂ and reduced NO_x emissions compared to conventional non-hybrid engines currently on the market.

Eaton's HEV system also provides certain diesel "engine off" functionality like "electric-only Power Take Off" to reduce further fuel consumption and emissions with the added benefit of less noise emissions while operating at a work site. The architecture of the Eaton HEV allows for the Hybrid Transmission's electric motor to be used for diesel engine starts and truck chassis battery system maintenance charging (during engine off operation), providing vehicle maintenance savings. The electric motor generator also facilitates Hybrid battery regeneration, which can extend the life of the vehicle foundation brakes.

Eaton's Hybrid system is the only available Hybrid Diesel Electric System for Medium Duty Commercial Vehicles in the NAFTA market that is in serial production on Original Equipment Manufactures (truck builders) assembly lines.

Other Eaton Products

Other Eaton products have also been certified under the Eaton Green Leaf such as the Pow-R-Command Lighting Control, Power Xpert Metering and SF6-Free Medium Voltage Switchgear.

For more information, please visit:
<http://www.eaton.com/sustainability>



Eaton 9395 UPS



Eaton HDU