

SIMATIC S7-1200

Siemens EcoTech Profile

The intelligent choice for compact automation solutions



Packaging

The packaging boxes of the product are plastic free and made of 65-100% recycled cardboard.



Energy efficiency

Optimization of energy efficiency through product performance improvement and power consumption reduction.



Maintenance possible / Updatability

Firmware updates are available to keep the product up to date.



Durability / Longevity

The product is designed for maintenance-free operation to ensure longevity.



Upgradability

Functional upgrades can be achieved through the implementation of firmware updates to the device.



Compliant with substance regulations

Protect people and environment by avoiding substances of concern.



EPD Type II available

According to ISO 14021 including Life Cycle Impact Assessment (LCIA). The Environmental Product Declaration (EPD) provides transparency on the environmental impact of the product throughout its life cycle (e.g. Product Carbon Footprint (PCF) data).



Scan for [Environmental Product Declarations \(EPD\)](#) and further technical information.



Range of application

This Siemens EcoTech Profile is valid for all products in the range of SIMATIC S7-1200 CPUs.

Further information on the product

Sustainable materials:



Packaging

- The packaging is **100%** free of plastic.
- The packaging boxes of the product are made of **65-100%** recycled cardboard.

Optimal use:



Energy efficiency

- Product performance has been improved more than **30%** while reducing power consumption by about **5%** compared to previous versions.



Maintenance possible / Updatability

- Firmware updates provided in SIOS to keep the device up to date.



Durability / Longevity

- Product features such as no moving parts, passive cooling and no batteries characterize the maintenance-free product design.

Value recovery & circularity:



Upgradability

- Firmware updates which enable functional upgrades are available in SIOS.

Our production facilities

Our goal is clear: All Siemens production facilities and buildings worldwide are to achieve a net zero-carbon footprint by 2030. Today, all Siemens EcoTech products are manufactured in production facilities using **100% renewable electricity**.

And the ambitions go much further. The management systems implemented in our production facilities reduce the environmental impacts of our sites. Furthermore, we ensure fair treatment and respect for our people. More information about the 360° view on Siemens' sustainable transformation: [Learn more about our DEGREE framework](#)



Scan for more information on the [Siemens EcoTech framework](#)

Our Robust Eco Design process

The Siemens Robust Eco Design (RED) approach provides the foundation for integrating Ecodesign systematically into our product development and allows us to derive Ecodesign specifications that are advantageous from an environment point of view while meeting our own sustainability goals as well as those of our customers and suppliers. The RED approach involves three phases:

Application perspective

Definition of relevant product families, identification, and prioritization of Ecodesign requirements from stakeholder expectations.

Solid foundation

LCA-based assessment of environmental impacts for representative products along the entire life cycle, communicated via EPD.

Dematerialization

Evaluation of quantitative environmental impacts of Ecodesign and of further requirements, derivation of improved design specifications wherever reasonable.

