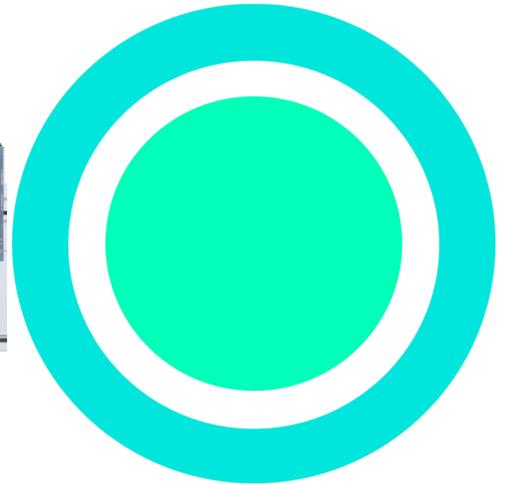


SIMATIC ET 200SP HA

Siemens EcoTech Profile

Highest availability & robustness designed for process industries



Minimum material use

Overall product volume and weight reduced through total redesign and use of smaller components.



Packaging

The packaging boxes are 100% free of plastic and made of sustainable sources or recycled fibers.



Durability / Longevity

Longer lifetime compared to predecessor due to wider temperature range and protective coating of electronics.



Energy efficiency

Reduced power loss compared to predecessor.



Maintenance possible / Updatibility

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



Ease of disassembly / Circularity instructions

The recycler guide describes the easy disassembly process using standard tools and the material fractions for recycling.



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.



Further information on the product

Sustainable materials:



Minimum material use

- The material reduced by approx. **40%** and space volume reduced on average by **30%** compared to its predecessor.*



Packaging

- FSC certified cardboard box made from sustainable sources, including **75% to 100%** recycled fibers.
- The packaging is **100%** free of plastic.

Optimal use:



Energy efficiency

- Up to **44%** less power loss compared to predecessor.*



Durability / Longevity

- Longer lifetime ensured by wider temperature range from **-40 °C to 70 °C** as well as protective coating of electronics.



Maintenance possible / Updatability

- Firmware updates provided in SIOS to keep the device up to date. Remote service operation lead to reduced travel emissions.

Value recovery & circularity:



Ease of disassembly / Circularity instructions

- The recycler guide is available online in SIOS and is updated regularly.

* For a typical rack application (7x ET 200SP HA Standard/FailSafe modules and 5x ET 200SP HA Ex(i) modules).

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.



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