

## SITOP PSU4200 POWER SUPPLIES

# Siemens EcoTech Profile

The power supply with Fresh Power for basic applications



### Minimum material use

Overall weight reduced due to material savings and minimal usage of internal components compared to predecessor product.



### Packaging

Recycled packaging material and packaging is 100% free of plastic.



### Durability / Longevity

Optimized for maximum operating hours under harsh electrical and environmental conditions.



### Maintenance possible / Updatability

The product is maintenance-free.



### Ease of disassembling / Circularity instructions

Ease of disassembly is optimized.



### 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 SITOP PSU4200 power supplies (except variant SITOP PSU4200 1AC 24 V/20 A)

## Further information on the product

### Sustainable materials:



#### Minimum material use

- Material savings based on bundling of functionality.
- Minimal usage of internal components
- Housing with less material due to other internal structural design.
- Multi-functional components (metal housing acts as cover and heat sink).



#### Packaging

- Minimum usage of product documentation (only the operating instruction is in the product packaging).
- Entire user manual for download only.

### Optimal use:



#### Energy efficiency

- Energy efficiency **up to 91%**.
- Minimal loss in idle mode.



#### Durability / Longevity

- Increased ambient temperature range **-25 °C to +70 °C** during operation to extend the area of application and to prolong product life. It also allows reduction in heating energy need for electrical cabinets.
- The transition from fossil fuel-based economy to an electric based one increases the grid load and thus require higher robustness against external overvoltage.



#### Maintenance possible / Updatability

- All components are designed for the entire operating life of the device. No replacement of components necessary.

### Value recovery & circularity:



#### Ease of disassembling/

#### Circularity instructions

- Number of screws to open the housing is reduced to streamline the disassembly process.

## Our production factories

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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