

SINAMICS S220 BOOKSIZE MOTOR MODULES 3A ... 200A

Siemens EcoTech Profile

Power Up! Performance.



Minimum material use

Reduced material usage due to a compact design. For discontinuous load cycles the D-types are optimized for higher overload capability to avoid overdimensioning.



Maintenance possible / Updatability

The firmware in the SINAMICS S220 Motor Modules can be easily updated to enhance/add features and to fix bugs.



Repairability

Modular design and extended service offering ensure maximum repair capabilities.



Upgradability

Designed as a modular system to allow for easy upgrades.



Ease of disassembly / Circularity instructions

Optimized design makes disassembly and recycling more efficient, convenient and increases recycling rate.



Compliant with substance regulations

Protect people and environment by avoiding substances of concern.



EPD Type II or Type III 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.

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Range of application

This Siemens EcoTech Profile is valid for SINAMICS S220 Booksize Motor Modules from 3A to 200A with width from 50mm to 200mm.

Further information on the product

Sustainable materials:



Minimum material use

- The modules' width is reduced up to 50% depending on model e.g., the S220 Booksize 132A module now has a width of 150mm compared to 300mm for its predecessor.
- The overload factor of the D-type modules has been increased. This allows the usage of smaller modules when the maximum current is the limiting factor.
- The power density of the modules has been increased to minimize required cabinet space.

Optimal use:



Maintenance possible / Updatability

- When updating existing hardware new features can be introduced without replacing the hardware.

Value recovery:



Repairability

- Repair is the standard procedure for defect devices, with more than **40** authorized repair centers globally.



Upgradability

- Easy addition of another motor module to an existing system.
- Easy replacement of a motor module with a variant with a higher current.
- Easy addition of supplementary system modules to enhance functionality.



Ease of disassembly / Circularity

instructions

- Modules use a layer design without glue connections for easy material separation.
- Easy disassembly of aluminum heat sink from metal housing.

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.

