

Cabinet Modules – modular system of cabinet units for high-rating multi-motor applications.



The perfect solution – quickly and reliably

Modular SINAMICS S120 Cabinet Modules can be used to implement almost any drive solution. This system is especially suitable for multi-motor drives with central line supply infeed and common DC busbar. In addition to the modules, three different line supply infeed units are available. Engineering and installation are simplified thanks to the standardized interfaces both for the power as well as also the control connections. Communications between the power modules and the central control unit is established via DRIVE-CLiQ – the new serial interface inside the drive.

These modular cabinet units are the ideal solution for paper machines, rolling mills, test stands and cranes.

SINAMICS S120 Cabinet Modules

sinamics

S120 CABINET MODULES

SIEMENS

Ready-to-connect drive solution for reliable engineering and commissioning.

Advantages of the SINAMICS concept

SINAMICS S120 Cabinet Modules utilize the system advantages of the new family of SINAMICS drives. The standard SIZER tool simplifies engineering. The STARTER tool speeds-up commissioning and diagnostics. Operator control is simplified thanks to the optional menu-prompted AOP 30 user-friendly operator panel with plain text display.

Module types: Can be combined in the modular system

- Line connection modules to connect to the line supply
- Basic line modules for 2-quadrant operation
- Smart line modules for 4-quadrant operation
- Active line modules for 4-quadrant operation with negligible harmonics fed back into the line supply
- Motor modules to control the speed of the connected motors

The cabinet modules are implemented as standard cabinet systems. They are supplemented by control units with Profibus connection. These control units handle the closed-loop drive control for up to 4 connected

SINAMICS S120 Cabinet Modules are available for the following power ratings

3-ph. 380 – 480 V	1.6 – 3000 kW
3-ph. 660 – 690 V	75 - 4500 kW

drives. Further, braking modules and auxiliary modules to centrally generate the control voltage are available.

At a glance

- High degree of flexibility thanks to the finely scalable range of power ratings
- DC link coupling using pre-fabricated busbar sets
- Data link established through the digital DRIVE-CLiQ interface
- Extensive range of options
- Extremely compact and ready-to-connect drive solution



Saves energy and costs

If a drive also has to be able to regenerate into the line supply, then our SINAMICS S120 Cabinet Modules save additional energy and allow processes to be optimized. They increase the availability and reduce the harmonics fed back into the line supply. Not only this – it is also possible to select a lower rating for the line supply infeed of the overall drive group than the power ratings of individual motor modules connected to the common DC link.



The information in this brochure only provides a general description and performance features. For a specific application, this information will not always be applicable in the form described here. This information can also change due to ongoing production development. The required performance features are only binding if they have been expressly agreed upon in the form of a written contract.