


SINAMICS G120P - a broad portfolio with a specific focus

SINAMICS G120P: Built-in and wall-mounting and cabinet units

The converter serie SINAMICS G120P offers tailor-made solutions for building technology and process industries. With a particularly large power range from 0.37 kW to 630 kW, available in nine different sizes, all tasks are mastered individually. The converters SINAMICS G120P are designed for operation with SIMOTICS GP and SIMOTICS SD motors of the VSD10 and SIMOTICS FD motors line.

Configure your SINAMICS G120P

 Configure directly online

Overview of strengths

Versatile. Combinable. Application-specific.

Whether in ventilators for the supply and exhaust air of air conditioning systems, in pumps for heating and cooling circuits or compressors for refrigerating machines: the converter SINAMICS G120P are ideally suited to the special requirements of building technology and industrial applications.

| Versatile | Combinable | Application-specific |
|--|--|--|
| <ul style="list-style-type: none">many industry-specific functions for building technologies and process industriestow-zone or multi-zone control and fire protection mode for long operation in case of emergencyhighest safety level due to Integrated Safety functions for industrial | <ul style="list-style-type: none">combinable converter with several Power Modules and flexible installation in the control cabinet or directly on sitemodulare converter system consisting of Power Modules, Control Unit and optional Control Unit | <ul style="list-style-type: none">versatile applicable for industrial applications and building technologyavailable worldwide with important functions such as speed control, setting range, efficiency and communication level |

Type: Built-In and Wall-Mounting Units

SINAMICS G120P

Technical data at a glance

Type: Cabinet Units

SINAMICS G120P Cabinet

Ready-to-connect converter cabinet units in the power ranges from 75 to 560 kW and from 315 to 630 kW.

The SINAMICS G120P Cabinet are available with cabinet widths from 600 mm in various degrees of protection up to IP54, and with two design versions.

- **Version A:**
offers sufficient space for all available options.
- **Version C:**
space-saving version envisaged for applications where the power supply components are accommodated in a central low-voltage distribution and need to be provided again in the control cabinet.

The SINAMICS G120P Cabinets are available with du/dt-filter compact plus VPL (Voltage Peak Limiter). They limit both the voltage unit du/dt and the peak voltage to the strict limits of the standard IEC 60034-25. This reduces the load on the motor insulation and extends the service life of the motor.

Digitalization solutions for low-voltage converters

Whether virtualization and simulation, dimensioning and configuration, connectivity, data analysis, or services, digitalization gives you access to greater efficiency and reliability in planning, operation, and maintenance.

Get the most out of your converter data with digitalization

The digitalization portfolio for drive technology offers everything from digital twins of converters, selection and engineering tools, and connectivity solutions to analysis apps and data-based services. These solutions permit optimized development processes, demand-oriented maintenance planning and ensure higher productivity.

Learn more:

 [Digitalization in drive technology](#)

Easy configuration and ordering

Configure and order your SINAMICS G120P

You can easily and quickly configure the frequency converter SINAMICS G120P with the Siemens Drive configurator and then order it via the IndustryMall ordering system.

Configure your SINAMICS G120P



[Configure directly online](#)

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Digitalization in drive technology



What are variable frequency drives?



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