

SINAMICS G120 Built-in units

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SINAMICS G120 Built-in units

The modular inverter - energy-efficient, safe and rugged

Overview

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> **SINAMICS G120 – Description**

SINAMICS G120 is a modular drive inverter system that comprises various function units. These are essentially:

- Control Unit (CU)
- Power Module (PM)

The CU controls and monitors the PM and the connected motor in several operating modes that can be selected. It supports communications to a local control as well as to monitoring devices and equipment. The PMs has a power range from 0.37 kW to 250 kW.



SINAMICS G120, FSB, CU240B-2 with PM240 and BOP-2

> **SINAMICS G120 – a brief Summary of its Strengths**

With many innovative functions

Safety Integrated for safety-relevant machines and systems, capable of regenerative feedback into the line supply for energy saving and a new cooling concept

Faster engineering, fast commissioning

using the SIZER and STARTER tools and data backup using the Basic Operator Panel (BOP-2) and MMC/SD card

Efficient and consistent solutions

via Totally Integrated Automation (TIA), consistency from SINAMICS through to the automation level

> **SINAMICS G120 – Technical Data**

Voltage and power ranges	1AC/3AC 200V - 240V ± 10%, 0.55 kW to 4.0 kW
	3 AC 200V - 240V ± 10%, 5.5 kW to 7.5 kW
	3 AC 380V - 480V ± 10%, 0.37 kW to 250 kW

Types of control	Vector control, FCC (Flux Current Control), multipoint characteristic (parameterizable V/f characteristic), V/f characteristic
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> **SINAMICS G120 – Typical Uses**

SINAMICS G120 is especially suitable as universal drive in the whole of industry and the trades, in sectors such as automobile, textiles, printing, chemical as well as in general higher-level applications – e.g. in conveyor systems.

All about SINAMICS G120 Built-In Units

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Details about SINAMICS G120

- > [Control Units](#)
 - > [Power Modules](#)
 - > [Modularity](#)
 - > [SINAMICS G120 – Multimedia Training](#)
 - > [Efficient Infeed Technology](#)
 - > [SINAMICS G120 Safety Integrated](#)
 - > [Supplementary system components](#)
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All about SINAMICS G120 Built-in units

- > [Marketing Materials \(Brochures, Catalogs\)](#)
 - > [Online Catalog \(Industry Mall\)](#)
 - > [Dimension drawings \(Drive Technology Configurator\)](#)
 - > [Application examples](#)
 - > [Videos](#)
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Tools

- > [Drive Technology Configurator](#)
 - > [SINAMICS Startdrive Commissioning Software](#)
 - > [Commissioning tool STARTER](#)
 - > [Drive Design Tool SIZER](#)
 - > [Energy-saving tool SinaSave](#)
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