

## New converter series specializing in infrastructure applications

**Categories :** [Fairs](#), [Measurement, Instrumentation, Control & Automation](#), [Pumps & Compressors](#)

**Tagged as :** [Cloud](#), [digitalization](#), [Siemens](#), [trending](#)

**Date :** January 21, 2019

Siemens showed a new converter series at the SPS IPC Drives 2018. The converters of the new Sinamics G120X series are especially suited for use in pump and fan applications in industries such as water/wastewater, building technology or also in industrial environments. With a power range of 0.75 to 630 kW, Sinamics G120X converters can be operated with any motor. The converters are at their most effective running with synchronous reluctance motors from Siemens. Sinamics G120X are configured throughout for cost-optimized and resource-saving operation across all voltages and supply networks, and their characteristic compact design saves space in the control cabinet. Although not featuring an additional output reactor, the converters enable motor cable lengths of up to 150 meters. The integrated safety functions are certified to SIL3.

### Simple, reliable and efficient

The Sinamics G120X series offers outstanding ease of operation and is simple to commission using the Sinamics Smart Access Module and the IOP-2 operator panel. The converters can be selected and ordered using only a single purchase order number in the Siemens drive technology configurator. Their integrated DC link reactor enables Sinamics G120X converters to run with the utmost stability under all network conditions. This robust, drip-proof new series comes in the form of a painted module as standard, with an additional 3C3 contaminant-resistant coating as an optional extra. A high C2 (optionally C1) EMC category and a protection rating of IP20 (optionally IP21 in UL open type) ensure that the converter can be reliably used in any kind of industrial environment. Sinamics G120X converters are in compliance with all relevant EU energy-saving standards, and offer an operating efficiency level of over 98 percent. Their comprehensive range of integrated application-specific functions such as Flux Reduction for adjustment in line with the actual load, Eco Mode which ensures best possible performance and minimal losses coupled with low dynamic loads and optimized output power, or Keep Running Mode to reduce speed prior to a shutdown.

### Ready for digitalization

**INDUSTRY24h**

THE PORTAL FOR THE GLOBAL INDUSTRY

<https://industry24h.com>

---

Sinamics G120X converters can be linked to MindSphere over Sinamics Connect 300, offering users the opportunity to analyze valuable operating data gathered from the converter, the drive train and the machine using the MindSphere app Analyze MyDrives. This enables the visualization and analysis of status information, providing users with valuable data which can be used as the basis for optimizing processes and maintenance strategies.