



High-performance DC drives for the crane and hoist industry

# SINAMICS DCM

The versatile DC drive that perfectly integrates into existing and future automation environments

**One DC drive platform fulfills any application from 3 to 40,000 hp (2.2 to 30,000 kW) with a flexible, modular design and scalable intelligence**

Customers around the globe have been using DC drives from Siemens for decades — and for good reason: many years of experience, extensive and specific expertise, and continual development guarantee drive solutions with the highest degree of reliability reflecting state-of-the-art drive technology.

SINAMICS DCM sets itself apart as a scalable and modular drive system with all the tools necessary to fulfill any application, whether basic or sophisticated and demanding.

As a result, SINAMICS DCM is a cost-effective, flexible DC drive system that empowers you to purchase only what your applications require, yet have peace of mind knowing that the drive's inherent scalable, modular design easily accommodates for future expansion.

## SINAMICS DCM — your advantages at a glance

<b>Reliability and robustness</b>	The highest degree to ensure maximum production
<b>Cost competitive</b>	Cost-effective options to replace or retrofit obsolete DC drives and minimize shutdown times
<b>Cost-savings</b>	One DC drive platform fulfills every application, reduces spare parts, simplifies training, one configuration software package.
<b>Global support and availability</b>	Large network of qualified system integrators, distributors and Siemens professionals for consultation, design, commissioning, service and support worldwide
<b>Highest dynamic performance</b>	Increased productivity and product quality
<b>Optimal integration with automation</b>	Comprehensive range of network interfaces: PROFIBUS, PROFINET, EtherNet/IP, standard Ethernet TCP/IP
<b>Integrated intelligence</b>	Free Function Blocks can be optimally adapted to an application's requirements for drive-related open-loop and closed-loop control functions (e.g. winder, sectional drive, load sharing, master-slave, cross-cutter, etc.) in a decentralized manner that relieves the workload on higher level controls

One control platform can accommodate DC motor ratings in the power range from 3 to 40,000 hp (2.2 kW to 30 MW) and is available in four offerings.



DC converters



Base drives and custom engineered panels



Cabinets



Control modules

**SINAMICS DCM delivers cost-effective options to replace or retrofit obsolete DC drives and minimize shutdown times by keeping expensive DC motors and mechanical systems in place.**

**Features include**

- PROFIBUS — standard; PROFINET, EtherNet/IP and standard Ethernet TCP/IP (optional)
- Drive Control Chart (DCC) — scalable integrated intelligence, graphical configuration and online visualization
- Expandable I/O by connecting standardized SINAMICS modules — scalable I/O and interfaces
- Single-phase connection is possible for units  $\leq 125$  A
- Coated boards and nickel-plated copper busbars
- Wide temperature range

**SINAMICS DCM is the scalable DC drive system for every application, whether basic or sophisticated and demanding**

Hoisting gear	Gantry	Trolley gear	Slewing gear	Luffing gear
Boom-hoist	Holding gear	Closing gear	Elevators	Positioners
Motor-generator sets	Field supplies	Magnet supplies		

**The bottom line**

Siemens continues to invest and innovate in DC drive system technology. You can have peace-of-mind knowing you will be supported today and tomorrow.

**Need more information?**

**usa.siemens.com/sinamics-dcm**

- Technical information
- Features
- Industry benefits
- Typical applications
- SINAMICS DC Drives and EtherNet/IP
- SINAMICS DCM Control Module
- SINAMICS DCM Base Drive
- Success Stories for Siemens DC Drives

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- The complete SINAMICS drives family

**Brochures**

	Order number
SINAMICS DCM The innovative DC drive — scalable and with integrated intelligence	DRBR-DCM01-0613
SINAMICS DCM Base Drives Overview	DCBR-DCMBD-0115
SINAMICS DCM Cabinets Overview	E20001-A120-P520-X-7600
SINAMICS — one family, one source, all applications	DRBR-SINFM-0415

**Catalogs**

	Catalog	Order number
SINAMICS DCM Converter Units, Control Module	Catalog D23.1 Edition 2014	DCCA-D231X-0115
SINAMICS DCM Cabinets	Catalog D23.2 Edition 2013	E86060-K5523-A121-A2-7600