



CC160 Charger

INTRODUCTION



Normet SmartDrive CC160 charger cabinets provide power where you need it the most. The 160 kW DC charger cabinet provide fast charging, robust and durable design is tailor made for harsh conditions.

Key features and benefits:

- 160 kW power output
- Compatible with CCS standards
- Dynamic dual charging capability
- 7" touchscreen with user friendly user interface
- Advanced cable support system
- Cloud based back-end, service and management dash-board
- Future-proof technology

ENVIRONMENTAL SPECIFICATION

Operating temperature	-40°C to +55°C
Derating high temperatures	1,5%/1°C (+40 to +55°C)
Maximum altitude	4000 masl
Altitude derating	1%/100 m above 2000 masl
Enclosure class	IP54, IK10
Humidity	<95% relative humidity
Operational noise level	<55 dB

GENERAL

DC connection standard	CCS
Connector type	CCS type 2, 300 A, air cooled
DC cable length	7 m
DC charging outlets	1-2 pcs
Cabinet cooling	Forced air cooled
Electrical safety	IEC 61851-1, IEC 61851-23
EMC	IEC 61851-21-2, EN 61000-1...4
Connectivity	3G/4G/LTE, WiFi, OCPP 1.6/2.0

ACCESSORIES

- Subscription to IoT charger management platform
- Second DC charging outlet with dynamic charging control
- cULus approval (mandatory in US/Canada)
- Satellite readiness with dynamic module
- Safety protection shelter

GENERAL ELECTRIC SPECIFICATION

Input voltage	3-phase 380 - 440 VAC +/- 10%
Input frequency	50-60 Hz
Input current at 400 V (160 kW / 200 kW)	251 A / 313 A
Short circuit current Icc	35 kA
Power factor at full load	0.98
Efficiency at nominal output power	~95%
Output power 160 kW (continuous) / 200 kW (maximum)	
Maximum output current	300 A
Output voltage range	200-920 VDC

ELECTRICAL PROTECTIONS

Over/under voltage, Surge protection, Short circuit, Earth leakage current, Over temperature

SERVICES

NORMET SERVICES

Normet is committed to servicing its customers all over the world. We provide service from a single machine to an entire fleet. The Normet service offering consists of many different products from delivery of parts and training to fleet performance agreements.

More information check [normet.com](https://www.normet.com):

<https://www.normet.com/en/products-and-services>

For any questions about Normet Services contact local Normet.

<https://www.normet.com/en/contact/>

SPARE PARTS

As a leading global Original Equipment Manufacturer, we are committed to providing a complete solution to your spare parts needs. All of Normet's spare parts are manufactured to the highest possible standards to help maintain the safety and profitability of your projects. Our spare parts improve efficiency and total cost of ownership throughout your operations.

Start a carefree journey with Normet equipment by having the right selection of parts available from the beginning.

Spare part recommendation / Start-up Spare Part package:

Available for the first 2000h*: includes periodical service parts, most common wearing parts and other recommended parts. (*Recommendations are based on average hours that can vary depending on worksite conditions.)

Underground, every part is critical!

More information check <https://www.normet.com>

SERVICE AGREEMENTS

Service agreements are always customized to meet our customer needs, consisting of various Normet service products. The service solution is created together with the customer and the level of an agreement can vary with different support agreements (including e.g. parts, periodical maintenance, on-call services, and audits) up to guaranteed fleet availability or process performance (including e.g. parts, all maintenance activities, operator trainings and process audits).

Note that we can provide Digital solutions with connected equipment.

More information check [normet.com](https://www.normet.com).

TRAININGS

Training services can be tailored to your individual needs and range from equipment service training to process application training.

We offer a sustainable training path from the beginning of your operation to the execution stage of your project.

More information check [normet.com](https://www.normet.com).

COMMISSIONING

Equipment commissioning concerns **equipment familiarization**. This is included as part of Normet vehicle delivery. Safety introduction and operating basics for Normet Equipment. Review of Normet user and spare parts manuals. Hands-on equipment safety device operational training. Ensure product quality and customer satisfaction during handover.

Commissioning includes machinery handover to customers and safety operating principles without technical insights or process application training.

EXTENDED COMMISSIONING

We offer an extended training package on top of standard commissioning. Normet provides extended commissioning services that offer basic insights into maintenance manuals, periodical and daily maintenance, as well as modern operating perspectives to maximize handling efficiency. Safety-oriented training ensures reliable operations for breaker boom systems. This cost-effective solution covers the essential aspects of equipment operation, safety, and maintenance schedules.

To ensure continuous and maximized safe operations with your new equipment and to expand your knowledge scale of operations, this option is the most suitable and recommended option for extending your new equipment training. This cost-effective solution covers the essential aspects of equipment operation, safety, and maintenance schedules.

UPGRADES AND MODIFICATIONS

We build our machines to last. We also understand that your needs on the ground can change - and reacting to that change makes a big difference in your productivity. Normet Upgrades & Modifications provide you with access to product improvements that meet your evolving requirements and let you stay one step ahead of the curve.

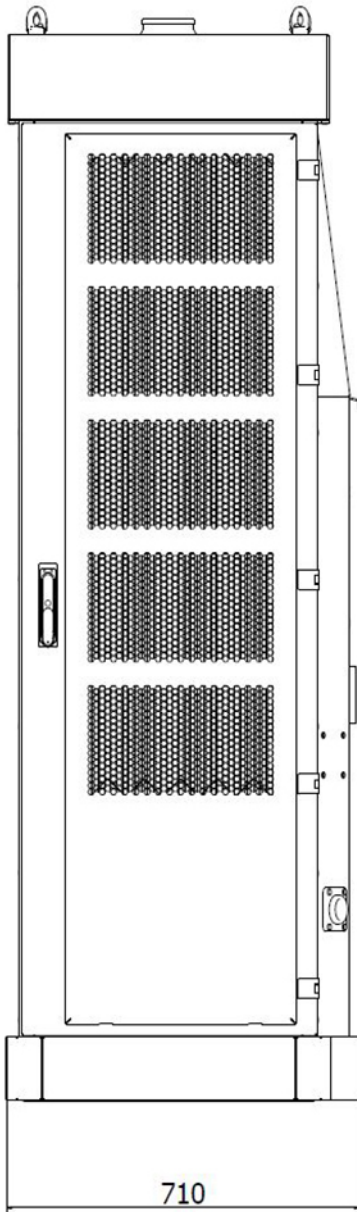
Contact your local Normet office for Upgrade offering to your fleet.

More information check [normet.com](https://www.normet.com).

DIMENSIONS

Height	2200 mm	Depth	710 mm
Width	830 mm	Weight	525 kg

MECHANICAL DRAWINGS



Normet reserves the right to change
this specification without further notice

Pictures may include options and additional equipment.