SIEMENS

120kW DC Charger

The **fast-charging** DC public charger

The 120 kW DC public charger comes equipped with 2 x CCS2* charging cables. It has a higher power rating, is future proof and is capable of fast charging suitable for highway charging stations, eBus & eTruck depots and terminals.

Use cases:

- Highway charging stations
- EV dealerships
- eBus depots/ eTruck terminals

Features at a glance:

- Dynamic power sharing
- Future proof
- Interoperable
- Flexible
- Reliable
- Robust

Technical data (IEC)

DC Charger		120CC
Configuration with cable		Yes
Cable lengths	m	6
AC nominal input		
Voltage	V	415 ± 10%
Frequency	Hz	50
Power factor	cos phi	> 0.99
Short-circuit current rating	kA	10
THDi	%	< 5
DC output		
Rated power	kW	120
Voltage (range)	V	200 ...1,000
Current of connected cables (max.)	A	250
Efficiency factor η (at load 100%)	%	≥ 94.5
Environmental conditions		
Operating environment		Indoor and outdoor
Operating temperature	° C	–10 ... +50
Operating altitude	m	2,000 above sea level
Relative humidity	%	5 ... 95 (non-condensing)
Mechanical specifications		
Enclosure protection		IP54
Housing material		Painted MS
Coating		Powder Coating
Color		Main housing: RAL 1036; roof and base: RAL 7021
Approx. overall dimensions[1)]		
W x D x H	mm	800 x 500 x 1885
Approx. foundation dimensions[1)]		
W x D	mm	800 x 500
Approx. weight acc. to configuration	kg	350
General specifications		
Local user interface		9.7" touchscreen HMI and status LED
User authentication and payment		RFID offline and online (optional)
Network connection		Ethernet interface; 3G and 4G
Electric safety device		MCCB, Fuse, SPD, Earth Fault Relay, etc..
Operating noise level		
@ 3 m distance	dB(A)	Up to 62 in normal operation, low-noise mode 50 (optional)
Norms and standards		
Charging standards		IEC 61851-1/23/24, ISO 15118 (DIN 70121)[2)]
Communication protocol[2)]		OCPP 1.6J, Modbus TCP[2)]

1) With side-by-side positioning

2) For supported functionalities of OCPP, Modbus, and ISO 15118, please refer to the technical documentation available from your Siemens partner.

Highlights:

Dynamic Power Sharing:
Full output of 120 kW in single gun and 60 kW per gun in dual-gun operation

Future ready:
Compatible with wide range of current & future EVs

Reliable:
Consistent high performance

Safe:
Emergency Stop button for easy cut-off

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