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Ingenuity for life



CPC150 – the 150 kW Compact Power Charger

With impressive technology from
Siemens, designed and built by Kostad

[siemens.com/charger](https://www.siemens.com/charger)



Solution
Partner

eMobility

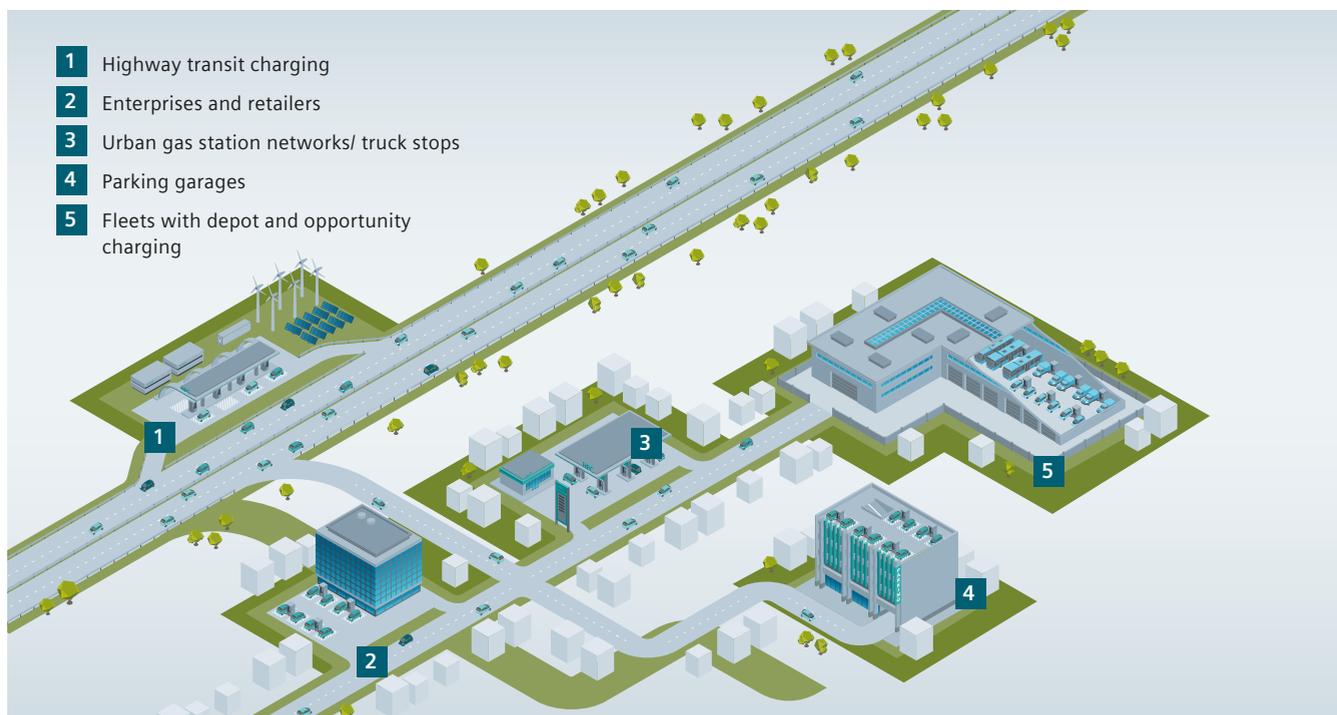
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The right charging equipment for multiple applications

Be it at highway transit charging, urban short-term parking or the powerful charging of your electrified fleet of public buses or utility trucks, CPC 150 charges your electric vehicle powerfully and quickly with up to 150 kW.

With the new CPC 150 compact charger, you can speed up your charge with up to 150 kW DC via CCS2 and CHAdeMO. In addition, you can use a 22 kW AC socket of type2. Such variety of options allows you to combine the connection according to your individual needs. Parallel charging is possible with 1 x 22 kW AC and 2 x 75 kW DC.

The charging station CPC 150 series is provided for charging private or utility vehicles in public and semi-public areas. CPC 150 can be operated both standalone or embedded in a modular and flexible charging system.



CPC 150 the new Compact Power Charger

The 150 kW charging station operates with voltages up to 920 V providing your electric vehicle with quick and reliable charging. With such high power, a cruising range of 100 km can be charged in less than ten minutes. For the parallel charging of two vehicles via DC cables, an internal load management system ensures the fair sharing of the available power.



Solution Partner Kostad Steuerungsbau GmbH

The certified Siemens Solution partner Kostad Steuerungsbau GmbH is an experienced provider of charging infrastructure.

For the design and manufacture of CPC 150, we cooperate with this strong partner.

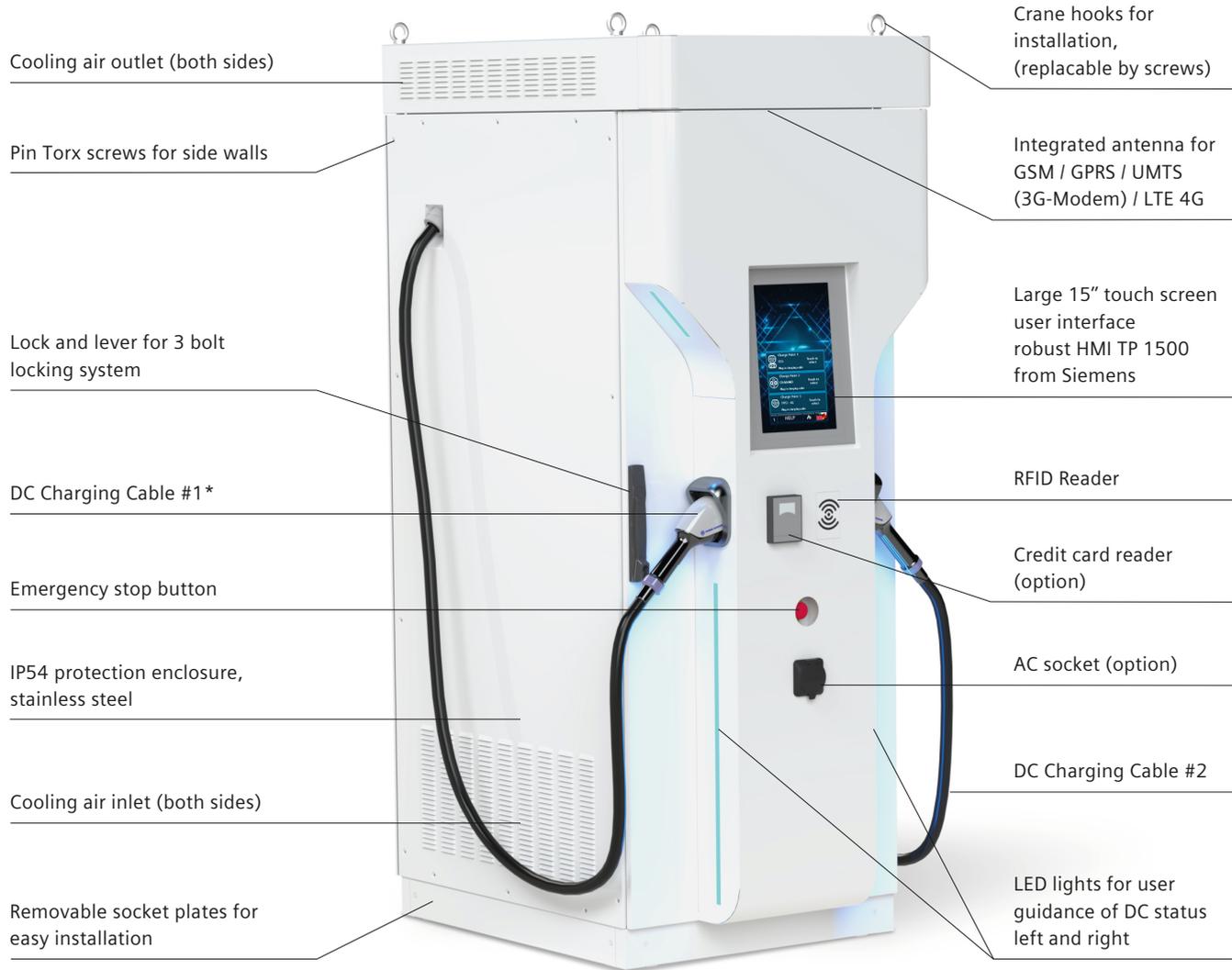


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Overview of features



* Any combination of up to 3 connections is possible. See options on page 6

Depending on your branding or architectural needs, the CPC 150 can be customized on all sides or the front only: your individual design will be printed in high quality 4 color print on UV resistant folio. It will be applied directly on your charger in the factory.

CPC 150 – Powered by Siemens



Advantages at a glance

- Optimally suited for current and future electric vehicles with long cruising range and high voltage levels
- Charging power of 150 kW and voltages up to 920 V for fast and reliable charging of two e-cars at the same time
- Highest reliability, data and IT-security and low maintenance due to Siemens industrial components and software

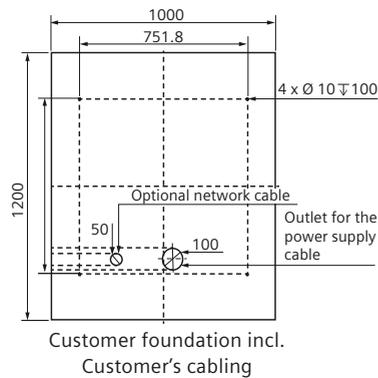
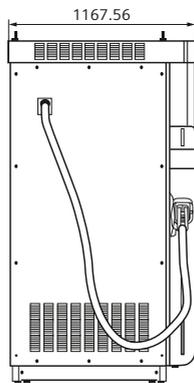
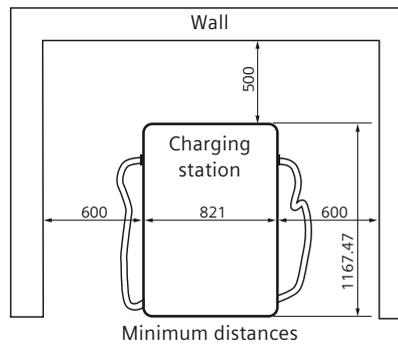
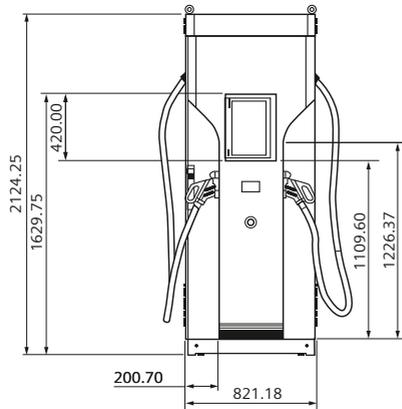
The integrated Siemens industrial components ensure highest reliability, maximum availability and easy operation.

The essential modules which are integrated in the CPC 150 are:

- SINAMICS DCP converters
- SIMATIC S7 controllers
- Industrial grade ECC charge controllers
- Siemens touchscreen HMI TP 1500

Siemens software provides optimized connectivity to charging management backends with the highest data and IT security standards. We support the open interface OCPP to 3rd party backends, easily integrating to existing software environments.

Dimensions



Connector options

CPC150 connections with parallel charging option

Connection	DC left	DC right	AC 22 kW
1.	CCS	-	AC socket (optional)
2.	-	CCS	AC socket (optional)
3.	CCS	CCS	AC socket (optional)
4.	CHademo	-	AC socket (optional)
5.	-	Chademo	AC socket (optional)
6.	Chademo	Chademo	AC socket (optional)
7.	CCS	Chademo	AC socket (optional)
8.	Chademo	CCS	AC socket (optional)

- DC cables available with 3.2 m, 4.2 m, 5.2 m length
- Liquid cooled CCS cables can be used for charging up to 400 A (optional)
- AC connection optionally with power symmetry balancing (4.6 kVA as max. asymmetry between two phases)

Technical data of CPC 150

General specification	
Charging options	1 DC session with 150 kW 2 DC sessions parallel with 75 kW 2 DC sessions 75 kW + 1 AC session 22 kW
Environment	Indoor/outdoor
Protection rating	IP54, IK10 (cabinet), IK8 (screen)
Operating temperature	-30°C to +50°C
Operation noise level (full load)	< 65 dBA
Dimensions (W x D x H)	822 mm x 1168 mm x 2125 mm
Weight	1200 kg
Standards	
EMC immunity	EN 61000-6-2 (Industrial)
EMC emission	EN 61000-6-3 (Class B residential)
CCS	DIN 70121 ISO 15118 in preparation IEC 62196 Mode 4 EN 61581-23
CHAdeMO	CHAdeMO 1.2 JEV G105
AC socket (option)	EN 61581-1 IEC 62196 Mode 3 & Type 2
Grid information	
Grid connection	3P+PE 3P+N+PE for AC option
AC input voltage	3x400 V ± 10%
Max. rated input current	3x224 A 155 kVA 3x256 A 177 kVA (incl. AC option)
Frequency range	47 Hz to 63 Hz
Power factor (at 50% load)	> 0,97
Efficiency	> 94%
DC output	
Maximum DC output power	1x150 kW or 2x75 kW
Maximum DC current	200 A without active cable cooling 400 A with active cable cooling
Output DC voltage range	200 - 920 V
Interface	
Screen	15" touchscreen
RFID system	ISO/IEC 14443A/B (standard) ISO/IEC 18092 (standard) ISO/IEC 15693 (option) Legic prime/advant (option)
Network	Cellular modem: GSM/3G/4G T-Ethernet 10/100Base
Backend communication incl. load management	Open Charge Point Protocol OCPP 1.6 JSON
Local load management	ModBus TCP/IP
Local payment	Credit card reader (option)

Siemens AG
Smart Infrastructure
Distribution Systems

Mozartstrasse 31c
91052 Erlangen, Germany

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