

SICHARGE UC 150

Flexible and powerful charging for your duty vehicle fleet

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



SIEMENS

IEC Standard

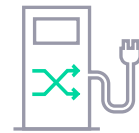
Compact, fast, secure and interoperable



Robust and efficient: SICHARGE UC 150 offers 150 kW of reliable charging solution for electric buses, trucks, and heavy-duty vehicles. It is perfect for charging at a central depot and on-route. SICHARGE UC 150 keeps the electric fleet charged and running efficiently.

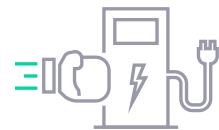
Flexible and space-saving

Multiple vehicle connection options and modularity to easily integrate into existing depot with constraints in HW, SW or layout.



Safe and secure

Compliant with state-of-the-art cyber security standards in industry to ensure secure charging and highest fleet availability.



Future proof and optimized

With up to 1,000 V DC and up to 250 A the charger is equipped for future electric vehicles with higher voltages.



State-of-the-art charging solution



The SICARGE UC 150 charging center can have a direct cable for eVehicle connection or up to 5 external CCS-based devices, incl. any combination of air-cooled dispensers and contact hoods. Alternative with up to 3 liquid-cooled dispensers is possible.

Suited for multiple applications

Easily integrate into any depot due to more compact footprint. Ready to be installed in public and non-public areas with low noise requirements.



Superior user experience

Based on the award-winning User Interface, daylight readable 10" touch-screen, user authentication option and charging availability via LED.



State-of-the-art serviceability

All components that need services can be accessed through the front door. New remote services incl. OTA software management keeps your charger up-to-date.



Designed for your individual needs with flexibility in mind

High degree of protection IP54 against dust and spray water

C4H painting for high corrosive environments. Weatherproof, UV-resistant, color-stable, and scratch-resistant powder coating

LED for user guidance and indication of DC charging status (optional)

Emergency stop button

Optimized design concept with large 180° front doors for convenient and easy service

Smaller base area to better fit space-constrained sites



Rain inclination hood

Daylight readable multilingual 10" outdoor touch-screen display (optional)

RFID card reader (optional)

DC Charging Cable CCS2, DC meter (optional). Plug handling with ergonomically designed plug holder

Power cable * with comfortable length with cable holder for convenient and clean operation

* Optionally without the cable for further vehicle connections



Technical Data

SICHARGE UC

150 C



150



Vehicle interface

Direct connection to the vehicle	Yes, with integrated CCS cable	No
Air cooled CCS cable Dispenser	No	Yes
Mast mounted Hood	No	Yes
Mast mounted (inverted) Pantograph	No	Yes

Nominal input

Voltage [V AC]	400 (3ph + PE) ± 10%, 415 (optional)
Current at nom. voltage per phase [A]	228
Frequency [Hz]	50
Power factor [cos phi]	> 0.98
Efficiency factor η (at load 100%) [%]	96
Short circuit current rating [kA]	10
Network type	TN-C, TN-S, TN-C-S

DC output*

Peak power [kW]	200
Rated power [kW]	150
Current (max.) [A]	250
Voltage (range) [V DC]	100...1,000

Environmental conditions

Operating temperature [°C]	- 25 ... +55 (derating after 45)
Operating altitude [m]	< 2,000 above sea level
Humidity [%]	5...95 (non condensing)

Mechanical specifications

Operational environment	Indoor and outdoor
Protection enclosure	IP54, IK10 for housing, IK09 for HMI
Casting material	Galvanized steel, painted, C4H
Color	Housing: RAL 9006 – White alum.; Roof and base: RAL 9017 – Traffic black matt
Overall dimensions W x D x H [mm]	920 x 850 x 2,000
Foundation dimensions W x D [mm]	918 x 710
Approx. weight [kg]	1,250

General specifications

Control unit	Siemens control system
Local user interface	10" touchscreen HMI (optional)
Metering	DC Meter (optional)
User authentication	RFID (offline and online)
Network connection	Ethernet interface / 3G and 4G / WiFi
Electric safety device	RCD B-type (optional)
Communications protocol	OCPP 1.6 (J-SON)
Cable lengths [m]	3.5 – 6 – 10
Charging standards	EN 61851-1/23/24, ISO 15118 (DIN 70121), EN 62196-3
EMC standards	EMC Class A, EN 55016-2-1 & -3; EN 61000-4-2 & -3 & -4 & -5 & -6
CE certification	Yes
Remote Management	Remote access, over-the-air (OTA) SW updates via Siemens device management

* Details available in the technical manual

Smart Infrastructure intelligently connects energy systems, buildings and industries to adapt and evolve the way we live and work.

We work together with customers and partners to create an ecosystem that intuitively responds to the needs of people and helps customers to better use resources.

It helps our customers to thrive, communities to progress and supports sustainable development.

Creating environments that care.
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