

SICHARGE UC 150

Flexible and powerful charging for your duty vehicle fleet

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SIEMENS

IEC Standard

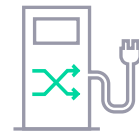
Compact, fast, secure and interoperable



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.

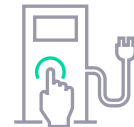
Suited for multiple applications

Easily integrate into any depot due to more compact footprint. Ready to be installed in semi-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 (optional)	
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

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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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