



SICHARGE UC™

Modular charging system

usa.siemens.com/sichargeuc

SICHARGE UC offers 150 kW of flexible charging solutions for buses, trucks and heavy-duty vehicles.

- Fast, secure charging
- Design flexibility
- Sleek, compact dispenser size
- Low installation costs, with one power cable needed
- Compatible with the Combined Charging System (CCS) type 1 charging standard
- Interoperability
- Sequential charging for up to four dispensers
- LED status lighting for easy notifications

Designed with flexibility in mind

SICHARGE UC's sleek, compact design fits into a variety of configurations, making the best use of limited space. Each SICHARGE UC cabinet can

power up to four charging dispensers with easy installation.

Optimize your SICHARGE UC charging with sequential charging and easily manage your sequential charging with Siemens' DepotFinity™ cloud-based system. To ensure optimum uptime, Siemens also offers a wide array of service maintenance plans to meet any size application.

Choosing the right setup for your application

Whether you need a single plug-in unit or a large depot plug-in offering for your fleet, SICHARGE UC offers a variety of charging options to choose from.

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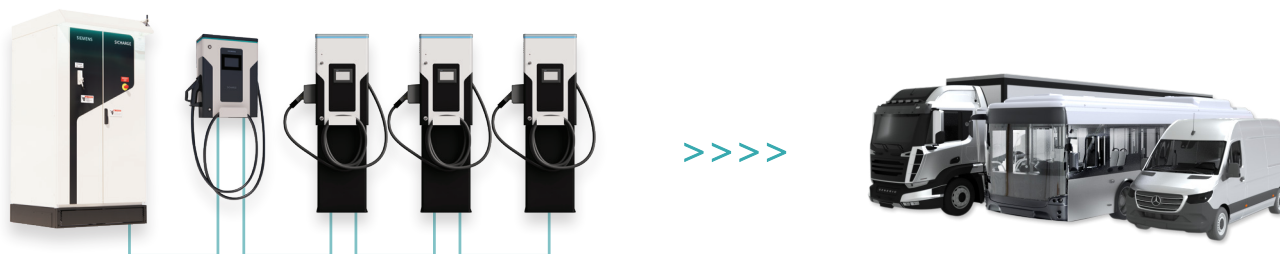
Charging setup tailored to your needs

Flexible configuration options

Sequential charging

SICHARGE UC connects up to four CCS1 dispensers and allows for dynamic sequential charging.

Up to four devices



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Beyond the chargers

A variety of cloud service packages designed to effectively manage your depot and eFleet are available to help you best manage your charging infrastructure. Siemens offers DepotFinity™, a comprehensive cloud management package that offers remote diagnostics, detailed reporting, operational planning and scheduling through an easy-to-use web dashboard interface. This provides complete charging and cloud management solutions for any application.

Siemens also offers PlugtoGrid™, an end-to-end set of solutions for EV charging infrastructure. Easily connect your chargers to the grid with Siemens' eMobility open protocol technology and electrical power distribution solutions as well as flexible options like energy storage, renewable power integration and managed cloud services.

Technical data

SICHARGE UC charging center



SICHARGE UC UL

UC 150

AC nominal input		
Voltage	[V]	480 and 600 V AC (3ph + PE) ± 10%
Current at nom. voltage per phase	[A]	200A Max
Frequency	[Hz]	60 (+/- 3%) Hz
Power factor	[cos phi]	> 0.98
Short circuit current rating	[kA]	100kA @ 480VAC 35kA @ 600VAC
THDi	[%]	< 5 at full power
DC output		
Rated power	[kW]	150
Voltage (range)	[V]	100...950
Current of connected cables (max.)	[A]	200
Efficiency factor η (at load 100%)	[%]	95.5%....97%
Environmental conditions		
Operational environment		Indoor and outdoor
Operating temperature	[°F]	-13 +113 (-25..... +45 C)
Operating altitude	[m]	2,000 feet above sea level
Humidity	[%]	5...95 (non-condensing)
Mechanical specifications		
Enclosure protection		NEMA 3R
Casting material		Powder-coated galvanized steel, painted
Color		Main housing: RAL 9010 – Cream white; Roof and base: RAL 9005 – Jet black
Overall dimensions W x D x H	[in]	43 x 39 x 87
Approx. weight acc.to configuration	[lbs]	3307.000
General specifications		
Local user interface		7" HMI
Network connection		Ethernet interface /4G / WLAN
Operating noise level @3 m distance	[dB(A)]	69
Norms and Standards		
Norms and Standards		SAE J1772*, ISO 15118
Communications protocol 2		OCPP 1.6 J **
EMC standards		IEEE519
Compliance		UL2202; UL2231; CSA 22.2 No. 107.1-16

* SAE J1772 deviation of requirement 6.2.11

The EVSE will detect the loss of the control pilot and interrupt the DC output current to < 5A within 90ms.

For further questions regarding this topic, please contact your Siemens partner.

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

SICHARGE UC dispenser

Air-cooled



Connection options

	Dispenser
Design variants	Air-cooled cables
DC output	
Connection standard	CCS type 1
Current, A	200
Voltage (range), V DC	100...950
Environmental conditions	
Operating temperature	-13 °F...+113 °F (-25 °C...+45 °C)
Mechanical specifications	

	Dispenser
Protection	NEMA 3R
Height, installed (in)	79 (36 for wall mounted)
Footprint on sidewalk (in)	24 x 12
Approximate weight, (lb)	350
General specifications	
Communication standard	PLC
Number of possible connectors (sequential charging)	up to 4
Cable lengths (ft)	25
Compliance	UL; cUL
Network connection	Ethernet copper CAT5 or higher and RJ45 connector or fiber optic with SC type connector
Local user interface	7" touchscreen HMI
Charging status indication	LED

Legal Manufacturer

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