

Flexible selection options

Thanks to the many versions and options, the SICHARGE CC AC22's configuration can be highly customized.



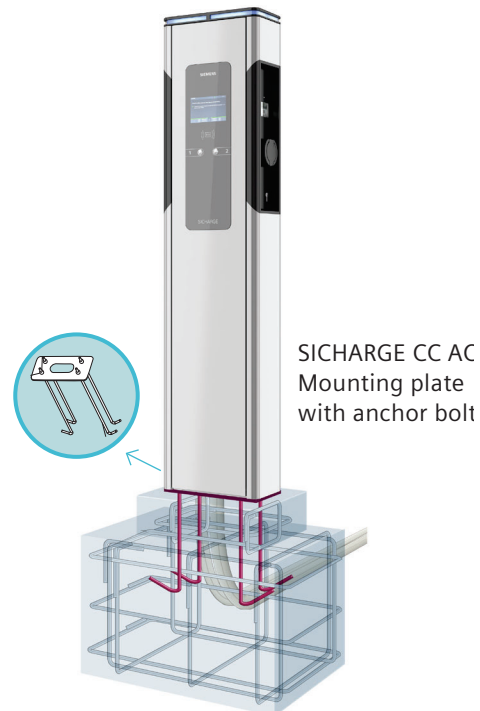
SICHARGE CC AC22
ERK version
MID version



SICHARGE CC AC22
Option with permanently
installed charging cables



SICHARGE CC AC22
Option with grid
connection box



Basic versions	
Basic MID version	Rugged designer charging station with two type 2 charging contacts according to IEC 62199, degree of protection IP 54, backend connection via OCPP 1.6 (2.0 in preparation), and MID meter for 50 and 60 Hz
Basic ERK version – complies with weights and measures legislation	Differences from MID: 50 Hz meter and accounting mechanisms according to German weights and measures legislation
Options and accessories	
Permanently installed type 2 charging cable (2 x)	Instead of two outlets, 5 m spiral, type 2 (approx. + 10 kg) charging cable on both sides and one bracket on each side for storing cable between charging operations
Grid connection box for SICHARGE CC AC22	Add-on module for back of SICHARGE CC AC22. Permits direct connection to power company's grid. Contains overload protection, RCCB, and mounting plate for meter. Can be used for up to two charging stations
Mounting plate with anchor bolts	Stainless-steel plate with foundation bolts, to be integrated into the foundation (not included). Simplifies alignment and installation
Surge protection	Internal add-on module, type 1 + type 2 arresters according to EN 61643-1, spark gap technology with follow current limitation, defect display, trip indication via OCPP, protection level ≤ 1.5 kV. Lightning current impulse (10/350):50 kA, energetic coordination according to DIN EN 62305-4
Integration test of new backend system	SICHARGE CC AC22 can be flexibly connected to any backend according to OCPP 1.6. On your behalf, we also configure and test connection to a new backend
Configuration and communication test	Each SICHARGE CC AC22 is 100% tested in the factory. Optionally, we also perform a customer-specific configuration, including SIM card and communication test to backend
Customer-specific color tone	Standard color is RAL 9006. Numerous other colors are available
Full film coating	Customer-specific film coating on 4 sides of the SICHARGE according to film coating plan with UV-resistant film in 4-color printing, applied directly in the factory
Partial film coating	Same as full film coating except it covers approx. 50% of total surface
Last-gasp function	Internal add-on module. In the event of a power failure, permits charging cable to be unlocked

SICHARGE CC AC22

Technical data

Performance features and functions	
Authentication	Identification via RFID cards (ISO 14443) MIFARE Ultralight or Classic Whitelist function for user management
Screen	TFT – LED 7" color display with pushbutton operation
Charging processes	Charging mode according to IEC 61851 "Mode 3", charging current regulation
Charging connections	2 x IEC 62196 type 2, 22 kW each
Electrical design	
Network connection	Network connection: 3P+N+PE, up to 35 mm ² , rated voltage: 230/400 V AC, rated current: 63 A, rated frequency: 50 Hz, internal fuse: 63 A
Charging point	Charging points: 2 nos. Plug connector: Type 2 – 32 A, with plug and hinged cover interlocking, IEC 62196 Maximum charging current: 32 A per charging point Disconnecting facility, per charging point: 4-pole with function monitoring Optional: 230 V plug type E
Safety	Main switch: Switch-disconnector with fuses 63 A, 3P+N MCB, per charging point: 32 A, 3P+N, characteristic: B with function monitoring RCD, per charging point: Universal current sensitive fault current monitoring IΔn 30 mA, with function monitoring
Lightning and surge protection	Optional combination arresters type 1 + type 2 + type 3 (≤ 5 m)
Flexible connected load	Static load management Backend-side load management (OCPP 1.6)
Specific functions	i-MiEV detection, mode 3 s detection, contactor blocking check
Weights and measures legislation	The systems are prepared in conformity with the weights and measures legislation; Certification is under progress.
Power meter	MID version: Meter with MID-certification (EU) for direct measuring up to 63A (active energy) ERK version: EMH Metering GmbH & Co. KG, Typ eHZ-... (BMP: DE-17-M-PTB-0013)
Status indication	LED status indication integrated in topper element: free/connected/charging occupied/not charging occupied. Different flashing codes for fault mode indication
Mechanical design	
Dimension	1700 x 390 x 194 mm
Weight	75 kg
Installation type	Standalone installation on concreted foundation provided by the customer
Ambient conditions	Temperature -25 °C to 50 °C, degree of protection IP 54
Connectivity	
Remote maintenance and remote update option	All our charging stations are provided with a comprehensive remote maintenance option, far beyond the OCPP possibilities, as well as with a remote update option for the firmware
Web interface	The most important parameters required for individual operation can be configured through our web interface
External IT systems	Connection via GPRS, UMTS and LTE
Communication protocol	OCPP 1.6 (OCPP 2.0 in preparation)
Accounting and customer management	
Accounting	Accounting possible via backend system
Standards	
Charging processes	IEC 62196-2, VDE-AR-E2623-2, IEC 60309, IEC 61851-1, SEV 1011
Safety	IP 54 acc. to IEC 60529, protection class 1 acc. to DIN EN 61140, CE "Class A" acc. to EU Directive 2004/108/EC, DIN EN 55022, DIN EN 61439-1
Protection	High protection against vandalism (impact resistance acc. to IK10)
Backends	
	For a list of already certified Backends, please see www.siemens.com/sicharge

Version 1.1