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# SICHARGE CC AC22

Energized design for the future  
of eMobility

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# SICHARGE CC AC22

## Technical data overview

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 <sup>2</sup> , rated voltage: 230/400 V AC, rated current: 63 A, rated frequency: 50 Hz, internal back-up 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 $I_{\Delta n}$ 30 mA, with function monitoring
Lightning and surge protection	Optional combination arresters type 1 + type 2 + type 3 ( $\leq 5$ m)
Flexible connected load	Static load management Backend-side load management (OCPP 1.6) Dynamic local load management Interface (e.g. MOD Bus TCP)
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; a sample test has been submitted
Power meter	EDM meter with BKE meter accommodation, EDL 40+
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)
Released backends	
eCar OC, HTB – Has To Be, ENIO, Driivz, Smartlab, Virta, Swarco ARGOS, NTT Data	