

eCharger Charging Station AC *premium*

2 x 22 kW

For Employees, Customers and Use in Public Areas

The modular designed eCharger Charging Station AC *premium* is the ideal choice for your powerful charging needs in semi-public or public areas. Such as places with charging infrastructure for company's employees and customers or public charging spaces of an energy supplier.

Numerous features like intelligent load management or, upon request, various payment functions compliant with calibration law either via App or credit card as well as several additional options make the charging station AC *premium* the perfect all-rounder.



User-Friendly

Multitouch display (4.3 inches) with live and history display of consumption data



Ecological

Vehicle-to-Grid communication according to ISO/IEC 15118



Safe to Operate

Automatic temperature monitoring, personal protection by RCD type A and RCM module



Easy to Maintain

Modular design, updatable hardware and software



At a Glance

Web-based management for configuration, diagnostic analysis and operation

MQTT and RESTAPI available

Charging area / load management for connected charging points

Connection and branch option for additional charging points

Quality components by Phoenix Contact

Charging current infinitely variable from 6 – 32A

Large LED roof light with clearly visible "available / occupied" status

eCharger Charging Station AC premium

2 x 22 kW

Technical Data

General	
Number of Charging Points, Charge Mode	2 Charging points for simultaneous AC charging (in addition, via shock resistant socket (Schuko) upon request), mode 3
Option 1	2 x CCS type 2 plug with AC charging cable 4 m, spiral (32 A/480 V, IEC 62196-2), 1 x shock-proof socket 230 V/13.5 A (AC) (optional upon request)
Option 2	2 x AC infrastructure charging socket type 2 according to IEC 62196-2 (32 A/480 V), 1 x shock-proof socket 230 V/13,5 A (AC) (optional upon request)
Master-Slave System	Expansion of up to 10 additional charging points by means of eCharger wallboxes count in compliance with calibration regulations
Payment System	App (freely selectable), RFID and credit card /debit card reader (EC cards) together with App
Load and Charge Management	Intelligent, continuous energy allocation to charging points
Web-based Management	Via browser for configuration, diagnostic analysis and operation (dashboard)
Vehicle-to-Grid Communication	According to ISO/IEC 15118, bidirectional upon request

Mechanical Design	
Housing Material	Aluminium
Surface	Coated with RAL 7016 or RAL 7001, additional vinyl applications (optional)
Ext. Dimension (h x w x d), Weight	1.900 x 350 x 450 mm (without cable), < 115 kg

Electrical Design	
Feed-in / Connection	5-pole, terminal blocks with swivel lever locks (for further grinding) for continuously low contact resistance, maximum cable cross section of 35 mm ²
Input Power	52 kW, 80 A for simultaneous charging of 2 x type 2
Charging Capacity / Charg. Current	2 x 22 kW / infinitely adjustable from 6 to 32 A
Protection	Integrated LS circuit breaker (MCB) type B 32 A, DC and AC residual current monitoring with RCD type A 30 mA as well as via RCM 6 mA (DC) and 30mA (AC)
Overvoltage Protection	Specifically for electromobility: SPD Class 2 / Typ 2 according to DIN EN 61643-11
Electricity Meter	MID-conform and digital signing, upon request with calibration law compliant signed billing records with charge data and charge data history in connection with the calibration law compliant steel display
Charging Controller	According to DIN EN IEC 61851 or optional according to ISO/IEC 15118 (optionally, each controller can be installed in combination with a cellular modem)
Standby Consumption	55 W without lighting
True Power Monitoring (Network Operator)	Via Ethernet and Modbus

Interfaces, Protocols	
Communication / Management	Open charge point protocol OCPP 1.6 JSON via Ethernet or cellular modem, MQTT, HTTP(S), Modbus TCP and RTU
Ethernet Connection	Two tool-free patch panels
Cellular Modem (2 – opt. 4 Pieces)	2G – 4G, router available for backend connection or for protective maintenance
RFID	Supports all 125 kHz, 134.2 kHz as well as 13.56-MHz technologies, including NFC

Conformity	
Certification, Protection Class	CE, IP 54
Polution Level, Shockproof	Class 3, IK10 according to IEC 62262
EU Directives	2014/35/EU (low voltage directive), 2011/65/EU (RoHS), 2017/2102 (RoHS2), 2012/19/EU (WEE), 1907/2006 (REACH), 2014/30/EU (EMV directive)
Charging and Security Standards	DIN EN IEC 61851-1, DIN EN IEC 62196, DIN EN IEC 62477-1, DIN EN IEC 611439-1, -7, DIN EN IEC 62311, ISO/IEC 15118
EMV	DIN EN IEC 61851-21-2 Immunity requirements for category A and B suitable for industrial, mixed and residential environments

Additional Options	
Credit/debit card (EC card) reader, controller with mobile radio modem as well as antenna and SIM card, base, counter-protection mounting, commissioning, testing	