

AMPERFIED CHARGESPOT CONNECT.PUBLIC

THE CHARGING STATION FOR PUBLIC SPACES



Technical highlights of Amperfied Chargespot connect.public

- \ Two charging points with up to 22 kW at one station
- \ ISO 15118 for Plug & Charge
- \ 10-inch color display for intuitive operation
- \ Low installation effort due to optional TAB-compliant house connection box
- \ Customizable foiling in customer design

State-of-the-art communication with commercial backends and billing in compliance with calibration regulations

- \ Data transfer via mobile radio or LAN
- \ OCPP 1.5 / 1.6 compatibility
- \ Authorization via RFID, Plug & Charge (ISO 15118), mobile App or SMS
- \ Free charging without authorization

Integrated dynamic load management for up to 250 charging points for efficient distribution of available electrical power

- \ Integration of external electricity meters via Modbus TCP
- \ Phase-individual load management to avoid unbalanced load
- \ Load management via OCPP incl. smart charging profiles
- \ Integration into existing energy management solutions via Modbus or EEBus

TECHNICAL SPECIFICATIONS

Product information

Model	Chargespot connect.public
Quantity	1
Delivery contents	Instructions for use, mounting materials for the foundation, prefabricated foundation (optional)

Housing

Type	Pillar
Type of mounting	Screwed into foundation
Materials	Aluminium, stainless steel, galvanised sheet metal
Coatings	DB 703 powder coating
Dimensions (W × H × D)(mm)	1,413 × 455 × 379/528 mm
Weight	Approx. 90 kg
Display dimensions	10,1" (1.280 × 800 px)
Standards	EN61439-7
Meter measuring station	VDE-AR-N 4100

Environmental conditions

Ambient temperature	-25°C to +50°C
Permissible relative humidity (%)	5-95%, non-condensing
Protection class	I
Overvoltage category	III
Protection rating	IP54 (splashproof)
Mechanical protection	IK 10
Self-consumption	32,2 W

Vehicle connection

Number of charging points	2
Charging connector/coupler	Typ 2 (IEC 62196)
Output voltage	400 V
Max. charging current	per 3 × 32 A
Max. charging power	per 22 kW

Grid connection

Feed	Max. 5 × 95 mm ²
Rated voltage	230 V - 400 V
Rated frequency	50 Hz AC
Power consumption (TN-C, TN-S)	Max. 30,4 kW (gradation possible)
Current (TN-C, TN-S)	Max. 44 A
Overvoltage protection	Type 1 + 2 + 3 combined SPD
Charging mode	Mode 3 (EN61581-1)

Protection per charging point

MCB	32 A, triple-pole, C curve, incl. status notification
RCCB	"FI circuit breaker, type A, 30 mA, incl. status notification"
RCMB	DC fault detection, < 6 mA
Energy meter	Electronic three-phase home meter, accuracy class A
Installation protection	> 4-pole

Charging management

Protocol	OCPP 1.6 (JSON, SOAP)
Status	Display, LED
Authorisation	RFID (Mifare Classic, Desfire EV 2 and further 13.56 MHz RFID standards)
No. of simultaneous users	Max. 2 (local load management)

Connectivity

Interfaces	USB config USB Host Ethernet RJ-45 (LAN)
Mobile communications	2G (GSM, GPRS, EDGE), 3G (UMTS) & 4G (LTE) (micro SIM)
Standards	ISO 15118



ANY QUESTIONS?

Our hotline will be happy to help:
+49 (0)6222 82-2266
support@amperfiel.com
www.amperfiel.com