

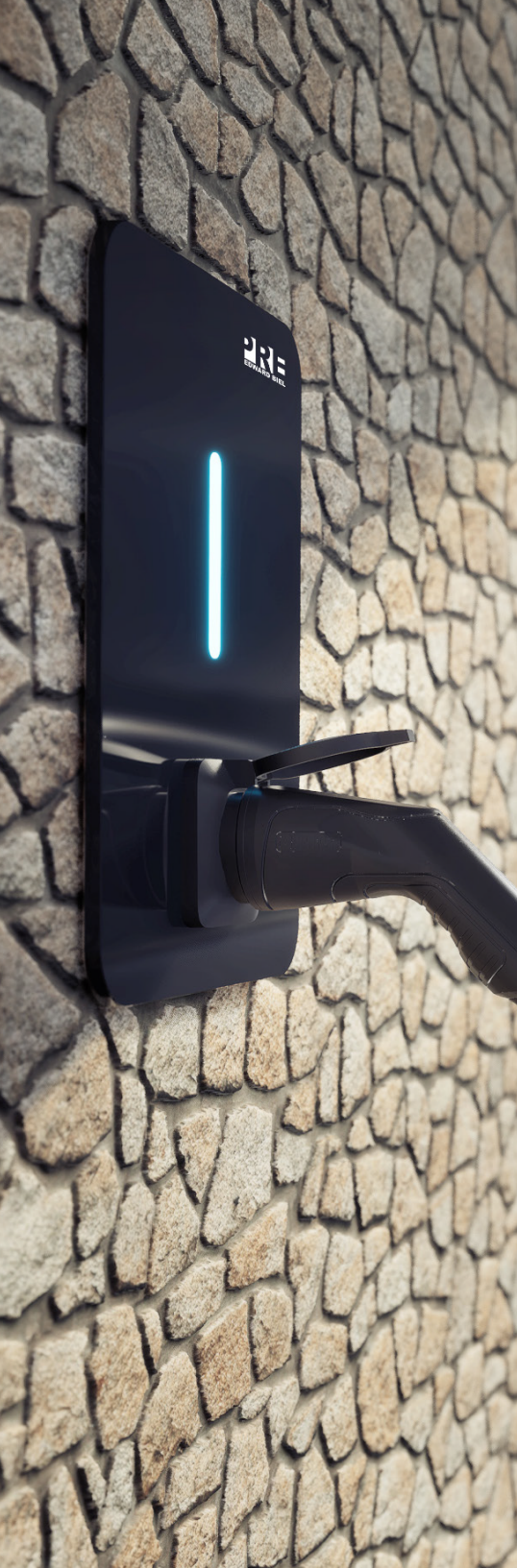


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EVB

E-WALL AC





TYPE

Electric Vehicle Charging Stations EVB e-wall

MODELS / DESIGNATIONS

EVB e-wall

APPLICATION

Indoor and outdoor car parks for houses and multi-family buildings;

DESCRIPTION

EVB e-wall is a small indoor/outdoor single station station equipped with a type 2 socket or plug, mounted in the wall.

HOUSING DESIGN

- ▶ aluminum (flush-mounted) in protection class I;
- ▶ the front of the station is made of safe tempered glass, 5-6 mm thick, covered with foil or screen printing (any graphics);
- ▶ universal spacing of holes on the back enables quick and easy installation in the wall
- ▶ housing color: RAL 7016

ELECTRICAL SUPPLY

- ▶ bottom; upper;
- ▶ Connection terminals of the station from 6 to 10 mm².
- ▶ 3,7 kW; 7,4 kW; 11 kW; 18 kW; 22 kW with AC current

CHARGING POINT CONNECTORS

- ▶ Maximum 1 charging point:
- ▶ AC type-2 socket with flap;
- ▶ AC type-2 plug with 4.8 m straight cable
- ▶ AC plug type-2 with 4.8 m spiral cable



AVAILABLE ACCESSORIES

- ▶ type-2 socket with a flap,
- ▶ type-2 plug with straight cable,
- ▶ type-2 plug with spiral cable;
- ▶ overcurrent protection MCB type B;
- ▶ RCD residual current device (A or B);
- ▶ 4P contactor;
- ▶ EVSE charging process controller

ADDITIONAL ACCESSORIES

- ▶ type A or type B RCD, code: RCDA, RCDB;
- ▶ activated by RFID cards, code: RFID 19;
- ▶ WIFI controller, code: KTWL;
- ▶ OCPP 1.6 LAN, code: OCPP;
- ▶ LTE modem for communication for OCPP, code: MLTE;
- ▶ MID energy meter, code: LESDM72100AMIDMBUS;
- ▶ overvoltage protector, code: AP OP TYP2;
- ▶ wall-mounted protective barrier, code: S000B02002;
- ▶ parking separator 1.6 m, code: SPO0B01003;
- ▶ wall holder for cable wrapping, code: UPK 15;
- ▶ additional warranty for another 12 months.

CHARGING SIGNALLING

- ▶ active LEDs (RGB) showing individual charging states

ACCESS

- ▶ plug&charge;
- ▶ RFID cards/PIN code;
- ▶ remote;
- ▶ mobile application / operator**

COMMUNICATION

- ▶ LAN, WiFi, OCPP 1.6;

STATION PACKAGING

- ▶ cardboard unit packaging

*equipment selected depending on the version of the station.

** for public/managed stations

TECHNICAL PARAMETERS OF THE CHARGING POINTS

Socket type	Type-2
Plug type	Type-2
Voltage [V]	230/400
Charging point rated current [A] AC	to 32
Rated power of the charging point [kW] AC	3,7-22
Nominal power of the station [kW] AC	to 22

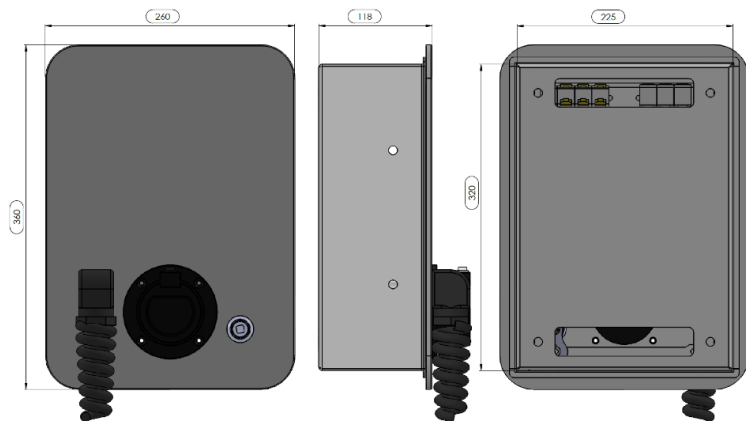
POWER SUPPLY SPECIFICATIONS

Power cable cross-section [mm ²]	to 6-10 mm ²
Power type	"1xP+N+PE (1-phase) 3xP+N+PE (3-phase)"
Network layout	TN-S, TNC-S, TT
Rated operational voltage [V] (+/- 10%)	230/400
Rated insulation voltage [V]	500/690
Rated frequency [Hz]	50/60
Nominal connection power [kW]	3,7-22
Rated connection current [A]	to 32
Rated connection current [A]	63

TECHNICAL SPECIFICATION OF THE HOUSING

Dimension (height/width/depth) (+/-5mm) [mm]	360/260/118
Material	Aluminium
Protection class	I
IP/IK protection degree	54/10
Weight [kg]	3-9
Working temperature [°C]	-30 to +55
Humidity [%]	95
Noise level [dB]	<10
Installation	Inside wall

TECHNICAL DRAWING - DIMENSIONS



STANDARD

EN-61851-1_2011E	Electric vehicle conductive charging system – Part 1: General requirements
EN-61851-22:2002	Electric vehicle conductive charging system - Part 22: AC electric vehicle charging station
EN 61439-1:2011	Low-voltage substations and control gear - Part 1: General rules
EN 61439-3:2012	Low-voltage substations and control gear – Part 3: Distribution board stations intended for use by persons other than the public (DBO)
EN 61439-5:2015-02	Low-voltage substations and control gear – Part 5: Sets for power distribution in public networks
EN 50274:2004	Low-voltage substations and control stations – Protection against electric shock – Protection against unintentional direct contact with hazardous live parts
EN 62208:2006	Empty enclosures for low-voltage substations and control rooms – General requirements
E 05163	Shielded low-voltage substations and switchgear – Test guidelines for arc-discharge conditions resulting from internal short circuits
EN 60695-11-10:2014-02	Fire hazard testing - Part 11-10: Test flames - 50 W flame test methods for horizontal and vertical specimen alignment
EN ISO 14040:2009	Environmental management – Life cycle assessment – Principles and structure
EN ISO 14044:2009	Environmental management – Life cycle assessment – Requirements and guidelines
EN 62196-1:2015-05	Plugs, socket-outlets, vehicle couplers and vehicle inlets – Conductive charging of electric vehicles – Part 1: General requirements
EN 62196-2:2017-06	Plugs, socket-outlets, vehicle couplers and vehicle inlets – Conductive charging of electric vehicles – Part 2: Dimensional compatibility and interchangeability requirements for a.c. plug and socket contact products
EN 62196-3:2015-02	Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 3: Dimensional compatibility and interchangeability requirements for d.c. and a.c./d.c. vehicle connectors with sleeve-and-pin contacts
ISO/IEC 14443	Identification cards - Proximity chips - Proximity cards
ISO/IEC 15693	Identification cards - Proximity chips - Proximity cards
EN 61000-6	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments



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