



WWW.EVBGROUP.PL

EVB

E-WALL AC





TYPE

EVB charging station for electric vehicles.

MODELS / DESIGNATIONS

EVB e-wall.

APPLICATION

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

DESCRIPTION

EVB e-wall is a small-size indoor/outdoor stand-alone station equipped with a type 2 socket or plug, wall-mounted.

HOUSING DESIGN

- ▶ aluminum (flush-mounted) in protection class I;
- ▶ the front of the station is made of a high-strength synthetic plate Solid Surface, 5-6 mm thick, covered with foil or screen printing (any graphics);
- ▶ universal distance between holes on the back enables quick and easy mounting on a wall or post;
- ▶ housing color: RAL7016.

POWER

- ▶ upper; lower;
- ▶ station connection terminals from 6 to 10 mm².

AVAILABLE CHARGING CAPACITY

- ▶ 3,7 kW; 7,4 kW; 11 kW; 18 kW; 22 kW.
- ▶ AC charging.

CHARGING POINT CONNECTIONS

- ▶ max. 1 charging point:
- ▶ AC socket type-2 with flip;
- ▶ plug type-2 with a straight cable 4.8 m long;
- ▶ plug type-2 with a 4,8 spiral cable.



RELEVANT FEATURES

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

ADDITIONAL EQUIPMENT

- ▶ RCD switch type A or type B, code: RCDA, RCDB;
- ▶ activated with RFID card, code: RFID 19;
- ▶ WIFI controller, code: KTWL;
- ▶ OCPP 1.6 LAN, code: OCPP;
- ▶ modem for communication for OCPP, code: MLTE;
- ▶ MID energy meter, code: LESDM72100AMIDMBUS;
- ▶ overvoltage protector, code: AP OP TYP2;
- ▶ wall protective barrier, code: SO00BO2002;
- ▶ parking separator 1.6 m, code: SP00BO1003;
- ▶ wall bracket for cable wrapping, code: UPK 15;
- ▶ additional warranty 12 months.

CHARGING SIGNALLING*

- ▶ LEDs (RGB) showing the various stages of charging.

CHARGING

- ▶ plug&charge;
- ▶ RFID cards/PIN code;
- ▶ Remote control;
- ▶ mobile/operator app**

COMMUNICATION

- ▶ LAN, WiFi, OCPP 1.6;

STATION PACKAGING

- ▶ unit box.

* Equipment selected depending on station version.

** For public stations/with management system.

TECHNICAL PARAMETERS OF THE CHARGING POINTS

Type of socket	Type-2
Type of plug	Type-2
Voltage [V]	230/400
Rated charging point current [A] AC	up to 32
Rated power of the charging point [kW] AC	3,7-22
Rated power of the station [kW] AC	up to 22

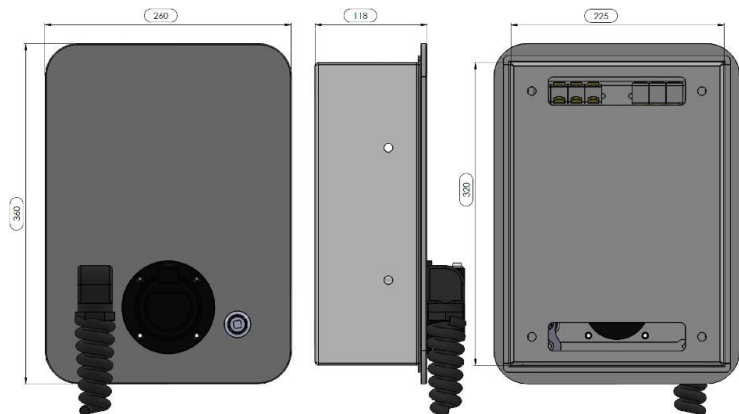
POWER SUPPLY SPECIFICATIONS

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

TECHNICAL SPECIFICATIONS OF THE HOUSING

Dimension (H/W/D) (+/-5mm) [mm]	360/260/118
Material	Aluminum
Protection class	I
IP/IK protection class	54/10
Weight [kg]	3-9
Operating temperature [st. C]	-30 do +55
Humidity [%]	95
Noise Level [dB]	<10
Installation	Inside the wall

TECHNICAL DRAWING



STANDARDS

PN-SV-61851-1_2011E	Electric vehicle conductive charging system -- Part 1: General requirements
PN-SV-61851-22:2002	Electric vehicle conductive charging system - Part 22: AC electric vehicle charging station
PN-EN 61439-1:2011	Low-voltage substations and control gear - Part 1: General rules
PN-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)
PN-EN 61439-5:2015-02	Low-voltage substations and control gear -- Part 5: Sets for power distribution in public networks
PN-EN 50274:2004	Low-voltage substations and control stations -- Protection against electric shock -- Protection against unintentional direct contact with hazardous live parts
PN-EN 62208:2006	Empty enclosures for low-voltage substations and control rooms -- General requirements
PN-E 05163	Shielded low-voltage substations and switchgear -- Test guidelines for arc-discharge conditions resulting from internal short circuits
PN-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
PN-EN ISO 14044:2009	Environmental management -- Life cycle assessment -- Requirements and guidelines
PN-EN 62196-1:2015-05	Plugs, socket-outlets, vehicle couplers and vehicle inlets -- Conductive charging of electric vehicles -- Part 1: General requirements
PN-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
PN-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



CONTACT US

TELEPHONE: **+48 696 673 646**

E-MAIL: OFFICE@EVBGROUP.PL

WWW.EVBGROUP.PL

MAIN DISTRIBUTOR

LT EL & TEKNIK AB

INFO@LTELTEKNIK.COM

LUKAS@LTELTEKNIK.COM

MOBILE: **+46 (0) 705291555**

+46 (0) 706073555

