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# EVB INBOX AC



- INBOX R** The post is designed for charging small electromobility, among others: such means of transport as scooters, bicycles or electric scooters, where low power and single-phase power supply is required. The post is made of durable aluminum profiles of any color and design. INbox can simultaneously charge up to 8 connected devices.
- INBOX M** The post is used to charge multimedia devices ( phones, tablets ) in the traditional way through USB ports and by inductive charging. Ideal for use for marketing and advertising purposes, outside or inside the building. The case allows any branding and wrapping with graphics.
- INBOX R/M** INbox R/M post to combine the functionality of INbox R and INbox M, which allows charging small electromobility and multimedia devices. Ideal for places where we need to rent an electric bike but charge our phone at the same time.
- INBOX W** Energy and utility distribution pole for yachts and boats. Designed for installation in marinas and marinas of various sizes. The pole makes it possible to supply vessels with the necessary electrical energy and fresh water during their standstill.

TYPE  
Charging point for small electromobility and multimedia devices

Models / Designations  
 Inbox R - charging post for small electromobility  
 Inbox M - charging post for multimedia devices  
 Inbox R/M - charging post for small electromobility and multimedia devices  
 Inbox W - post for supplying marinas and yacht ports

APPLICATION  
Public spaces, commercial facilities, waiting areas, sports facilities, parks, tourist routes, municipal areas, recreational areas, marinas, yacht ports.

DESCRIPTION  
INBOX - a post designed for charging small electromobility vehicles (bicycles, scooters, electric scooters) and multimedia devices using USB cables and induction. Used for supplying power and water to marinas and yacht ports.

HOUSING CONSTRUCTION:  
Steel, aluminum in class I or II protection (any color scheme)  
In the upper part, there is a permanently embedded toughened glass, 2-3 mm thick, printed or covered with foil (any graphics).

POWER SUPPLY:  
Bottom, 4-16 mm<sup>2</sup>

CHARGING POINT POWER:  
0.018 - 7.4-11 kW with AC current.

INBOX R  
 ▶ 2-4 x 230V/16A socket;

INBOX M  
 ▶ 2-4 x USB 2.0 A 12V/3.1A socket,  
 ▶ 1-2 x USB 3-in-1 cable (USB Type-C, micro USB, apple) 0.5m 12V/3A,  
 ▶ 1 x Fast Wireless Charging inductive charger 9V/1A;

INBOX R/M  
 ▶ 2 x 230V/16A socket,  
 ▶ 2 x USB 2.0 A 12V/3.1A socket,  
 ▶ 1 x USB 3-in-1 cable (USB Type-C, micro USB, apple) 0.5m 12V/3A,  
 ▶ 1 x Fast Wireless Charging inductive charger 9V/1A;

INBOX W  
 ▶ 1-2 x 230V/16A socket,  
 ▶ 1-2 x 400V/16A socket,  
 ▶ 1-2 x water tap

EQUIPMENT:  
 ▶ energy consumption measurement,  
 ▶ surge protection,  
 ▶ overcurrent protection,  
 ▶ residual current protection,  
 ▶ electricity consumption meter,  
 ▶ water meter

COMMUNICATION :  
not available.

MULTIMEDIA:  
not available.

ACCESSORIES:  
1 x FB concrete slab

CHARGING INDICATION:  
not available.

INTERFACE:  
not available.

ACCESS:  
 ▶ open,  
 ▶ RFID cards.

#### TECHNICAL PARAMETERS OF POWER SUPPLY

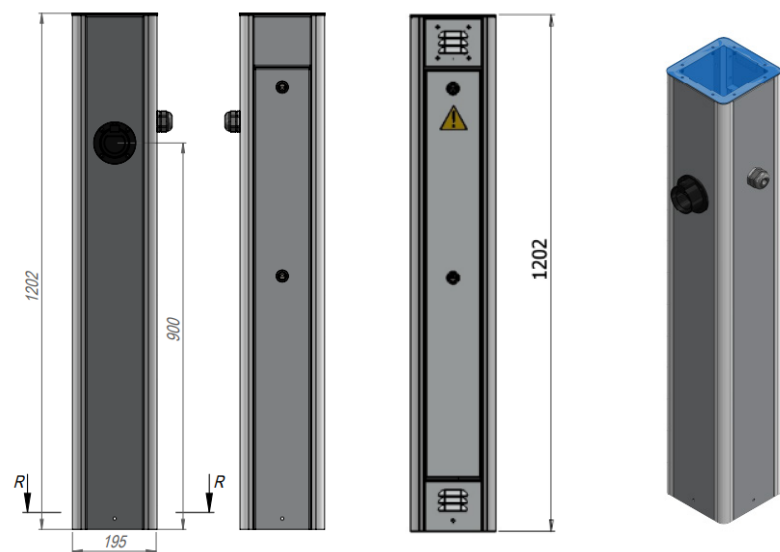
Cross-section of the supply cable [mm <sup>2</sup> ]	4-16 mm <sup>2</sup>
Type of power supply	L+N+PE / 3xL+N+PE
Network system	TN-S, TNC-S, TT
Rated connection voltage [V] (+/- 10%)	230/400
Rated insulation voltage [V]	500/690
Rated frequency [Hz]	50/60
Withstand impulse voltage [kV]	8
Rated connection power [kW]	3,7/7,4/11
Rated connection current [A]	16
Surge protection	type 2

## TECHNICAL PARAMETERS OF CHARGING POINTS

Type of socket	230 V/16A, 400V/16A, USB 2.0 A 12V/3.1A
Plug type	USB 3in1 ( USB TYPE-C, micro USB, apple) 0.5m 12V/3A
Induction	Fast Wireless Charging 9W/1A
Charging cable length [m].	0,5
Voltage [V].	230/400
Rated charging point current [A] AC	up to 16
Rated power of the charging point [kW] AC	up to 11
Rated power of the station [kW] AC	up to 16
Type of tap	Chrome 1/2"

## TECHNICAL PARAMETERS OF THE HOUSING

Dimension (H/W/D) [mm].	up to 1202/200/200
Material	aluminum
Protection class	I/II
IP/IK degree of protection	65/10
Weight [kg].	10-15
Operating temperature [st.C].	-30 to +55
Moisture content [%]	95
Noise level [dB].	<10
Assembly	4 x fi10



## STANDARDS

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



## **CONTACT**

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