



WWW.EVBGROUP.PL

**EV3**

**ADVERT S**

**AC**





## TYPE

EVB charging station for electric vehicles

## MODELS / DESIGNATIONS

EVB ADVERTISEMENT / FO, FS, FM

## APPLICATION

Outdoor surface parking spaces; retail, commerce, city centers, road lanes, heavy vehicle and pedestrian areas

## DESCRIPTION

EVB ADVERT AC SAMSUNG MODEL  
4-station (4 charging points), freestanding, mounted on a slab or two concrete foundations.

## CAPSLATEGIS CONSTRUCTION:

steel, aluminum of protection class I or II (any color). In the front and rear parts, permanently embedded tempered glass, 5-6 mm thick, printed or covered with foil (any graphics). The enclosure sits on an aluminum plinth.

## POWERMOURNING:

bottom,  
6-120 mm<sup>2</sup>

## CHARGING POINT POWER:

3.7 kW; 7.4 kW; 11 kW; 22 kW, 43 kW with alternating current.

## CHARGING POINT CONNECTIONS:

up to 4 charging points, AC socket type-2, plug with mains plug type-2, length of charging cable up to 5 m, spiral or straight cable, locking socket, automatic locking of plug.

## EQUIPMENT

measurement of energy consumption at each charging point and facturization measurement according to OSD standard, overvoltage, overcurrent and residual current protection, monitoring of voltage insulation, main circuit breaker, ventilation and heating.

## CHARGE SIGNALING

LEDs (RGB) indicating the different charging stages.

## BORDERITT

8 or 10-inch color-resistant touchscreen with up to 1280x800 resolution.  
ACCESS: open, key, button, code, RFID card, app, payment card.

## COMMUNICATION

OCPP 1.6 J-SON, Aurora OS (mobile application, station management system), payment card terminal.  
The station can be accessed by providing an API.

## MULTIMEDIA

outdoor screen 55-75 inches, 4H UHD 3820x2160 with an advertising content management system (single-sided or double-sided), illuminated city light as an advertising medium

## ADDITIONAL EQUIPMENT

GPS locator, wideangle security camera, WIFI access point, 112 communication, temperature sensor, humidity sensor, smog sensor.

## ACCESSORIES

1 x concrete slab FB, 2 x concrete foundation FB, protective post SO

## TECHNICAL PARAMETERS OF THE CHARGING POINTS

Cross section of the supply cable [mm <sup>2</sup> ] 6-120 mm <sup>2</sup>	<b>6-120 mm<sup>2</sup></b>
Type of power supply 3xL+N+PE	<b>3xL+N+PE</b>
Network layout TN-S, TNC-S, TT	<b>TN-S, TNC-S, TT</b>
Rated switching voltage [V] (+/- 10%) 400	<b>400</b>
Rated insulation voltage [V] 500/690	<b>500/690</b>
Nominal frequency [Hz] 50/60	<b>50/60</b>
Withstands surge voltage [kV]. 8	<b>8</b>
Rated connection power [kW] 92	<b>92</b>
Rated connection current [A] 125	<b>125</b>
Surge protection TypeE 2	<b>TypeE 2</b>

## POWER SUPPLY SPECIFICATIONS

Type of socket	<b>Type 2, 230 V/16A</b>
Type of plug	<b>Type 2,</b>
Legth of the charging cable [m]	<b>4,8-5</b>
Voltage [V]	<b>230/400</b>
Rated charging point current [A] AC	<b>up to 32</b>
Rated power of the charging point [kW] AC	<b>up to 22</b>
Rated power of the station [kW] AC	<b>up to 44</b>

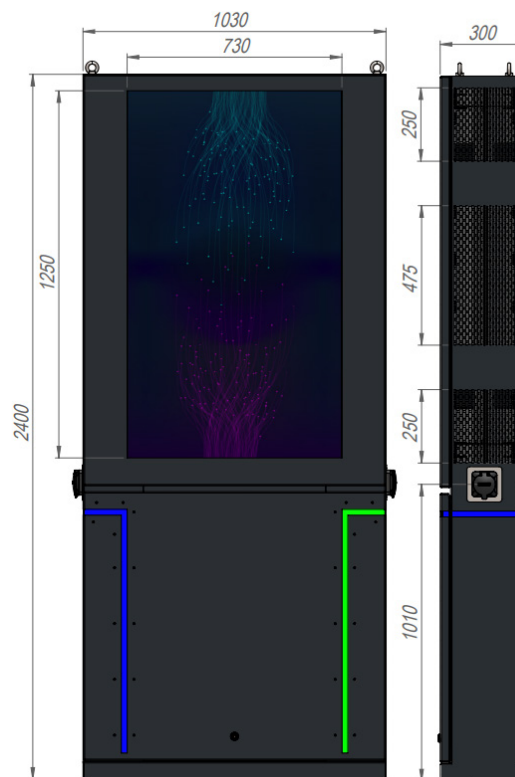
## TECHNICAL SPECIFICATIONS OF THE HOUSING

Dimensions (H/W/D) [mm]. 2200/906/330	<b>2200/906/330</b>
Material Steel, aluminum	<b>Steel, aluminium</b>
Protection class I/II	<b>I/II</b>
IP/IK protection class 54/10	<b>54/10</b>
Weight [kg] 190	<b>190</b>
Operating temperature [st. C] 25	<b>25</b>
Moisture content [%] 95	<b>95</b>
Noise Level [dB] <10	<b>&lt;10</b>
Installation 4 x Fi10	<b>4 x fi10</b>
Installation 4xM12	<b>4xM12</b>

## 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

## TECHNICAL DRAWING



Type/Designation: **Digital Signage Android Player**  
 Name: Content Management Software for Remote Monitor

Short description: This software allows you to manage content on your monitor from anywhere with an internet connection - just log in to the relevant website, upload videos, images, web pages, RSS feeds, remote content, divide the screen into any number of screen areas of any size and position, and much more. The big advantage of Central Stacks software is that the server is in the cloud, so the client does not need to install and maintain on its side, and therefore the content of any connected media can be managed anywhere and on any device by logging into the server through a web browser.

Our billing model for Central Stacks licenses is also very simple and transparent, unlike many other systems on the market, since the annual license price already includes all the costs incurred by the customer for the system including server maintenance, etc., so at each stage of the project the customer knows exactly how much it will cost him to expand the DS network with additional installations.



## CONTACT US

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## MAIN DISTRIBUTOR

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