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EVB

ADVERT AC

TYPE
Electric Vehicle Charging Stations EVB

MODELS / DESIGNATIONS
EVB ADVERT / FO, FS, FM

APPLICTION
Outdoor above-ground car parks; commercial facilities, commercial facilities, city centers, road lane, places with heavy vehicle and pedestrian traffic.

DESCRIPTION
Four-station station (4 charging points), free-standing, mounted on a slab or two concrete foundations.

HOUSING DESIGN
steel, aluminum in the 1st or 2nd class of protection (any color). In the front and rear part permanently embedded tempered glass, 5-6 mm thick, printed or covered with foil (any graphics). The housing is placed on an aluminum plinth.

ELECTRICAL SUPPLY
bottom, 6-120 mm2
Charging point power 3,7 kW; 7,4 kW; 11 kW; 22 kW, 43 kW with AC current.

CHARGING POINT CONNECTORS
Up to 4 charging points, AC type-2 socket, plug with type-2 or type-1 AC plug, charging cable length up to 5 m, spiral or straight cable, locking the plug in the socket, automatic locking of the plug in the socket.

EQUIPMENT
Measurement of energy consumption at each charging point and billing measurement in the OSD standard, overvoltage, overcurrent, residual current protection, voltage insulation control, main switch, ventilation and heating.

CHARGING SIGNALLING
LEDs (RGB) showing the various stages of charging

INTERFACE
8 or 10 inch color resistive touch screen with resolution up to 1280x800.

ACCESS
open, key, button, code, RFID cards, application, payment cards.

COMMUNICATION
RFID Smart Control OS (LAN/GPRS/3G/4G), OCPP 1.6 J-SON, Aurora OS (mobile application, station management system), payment card terminal.
The station has access by providing an API.

MULTIMEDIA
outdoor screen 55-75 inches, 4H UHD 3820x2160 with advertising content management system (one-sided or two-sided), illuminated citylight as an advertising medium.

ADDITIONAL EQUIPMENT
GPS tracker, wide-angle security camera, WIFI access point, 112 emergency communication, temperature sensor, humidity sensor, smog sensor.

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

POWER SUPPLY SPECIFICATIONS

Cross section of supply cable [mm2]	6-120 mm2
Type of power supply	3xL+N+PE
Network layout	TN-S, TNC-S, TT
Rated switching voltage [V] (+/- 10%)	400
Rated insulation voltage [V]	500/690
Rated frequency [Hz]	50/60
Withstand surge voltage [kV].	8
Rated connection power [kW]	92
Rated connection current [A]	125

TECHNICAL SPECIFICATION OF THE HOUSING

Dimension (height/width/depth) (+/- 5mm) [mm]	2200/906/330
Material	Steel, aluminium
protection class	I/II
IP/IK protection degree	54/10
Weight [kg]	190
Working temperature [°C]	-30 to +55
Humidity [%]	95
Noise level [dB]	<10
Installation	4 x fi10

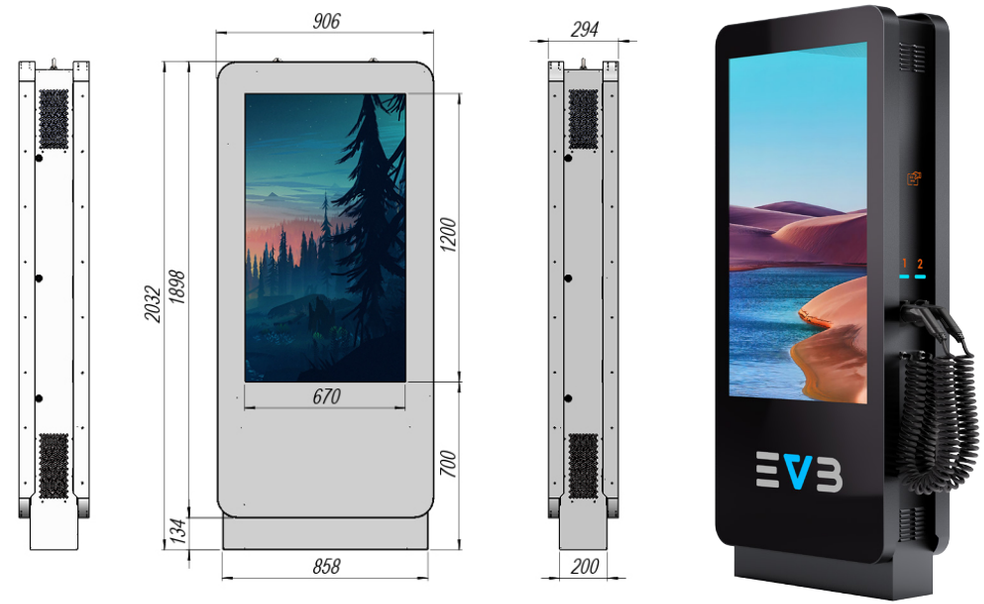
TECHNICAL PARAMETERS OF THE CHARGING POINTS

Socket type	Type-2, 230 V/16A
Plug type	Type-2, type-1
Charging cable length [m]	4,8-5
Output voltage range [V]	230/400
Charging point rated current [A] AC	up to 32
Rated power of the charging point [kW] AC	up to 22
Rated power of the station [kW] AC	up to 44

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

DIMENSIONS



The software allows you to manage the content on the monitor from any place with Internet access - just log in to the appropriate website, you can send movies, photos, websites, RSS feeds, remote content, divide the screen into any number of screen areas of any size and position and many other possibilities.

The great advantage of the Central Stacks software is that the server is located in the cloud, so the client does not have to install and maintain it on his side, and thus you can manage the content on all connected media from anywhere and on any device after logging in to the server via a web browser.

Our model of settlement for Central Stacks licenses is also very simple and transparent, unlike many other systems available on the market, because the annual license price includes all costs that the client incurs for the system, including server maintenance, etc., so at every stage project, the client knows exactly how much it will cost to extend the DS network with further installations.

CONTACT

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