

ENSTO

Chago Media 3.0

Combining EV charging
with outdoor advertising



Chago Media is an electric vehicle charging station and commercial advertising screen that can help solve the investment challenges related to the construction of charging networks:

Income from the sales of advertising space can be used to fund the investments in building and operation of the charging infrastructure.

Chago Media has been designed for reliable EV charging and out of house advertisement in demanding environments.

Better life.
With electricity.

Key Features Charging Points

- Designed for 24/7/365 use
- OCPP 1.5 and 1.6 full support
- High-quality industrial components
- Fully compliant with European regulations
- Plug & Charge for an easy charging experience
- Effortless and secure user identification with RFID and mobile phone
- Ready for Vehicle-to-Grid

Key Features Media Solution

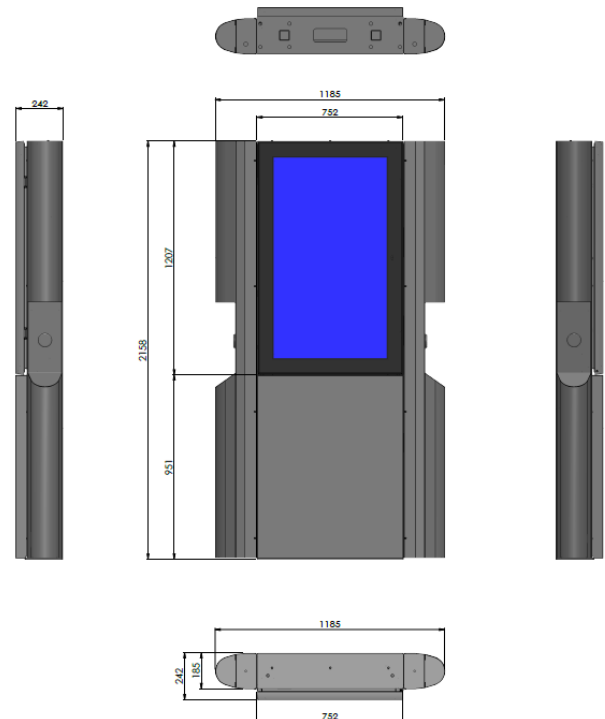
- Designed for 24/7/365 use
- Excellent visibility in all viewing angles
- Automatic brightness control according ambient light
- Presents text, animation, pictures and video
- Weather and vandal proof construction
- Low life cycle costs due to reliable TFT LCD technology
- Remote diagnostics
- Easy installation and maintenance

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Technical Data Charging Points	
Connection to car	Mode 3 charging, option: domestic socket, Mode 2 charging
No. of simultaneous users	2
Nominal voltage and frequency	230/400 VAC, 50 Hz
Nominal charging current	max. 3 × 32 A (Mode 3)
Nominal charging power	22 kW / Charging point
Supply connections	L1, L2, L3, N, PE Cu 2.5 - 50 mm ² , Al 6 - 50 mm ²
Safety features	<ul style="list-style-type: none"> • MCB (Miniature Circuit Breaker) • 6mA DC residual current leakage detection • Residual current protection (RCD) Type A standard
Energy measurement / charging point	Current sensor, MID meter (optional)
Charging status indication	3 color LED signal light (green, blue, red)
Charging point access control	Free charging (no authentication required) RFID (ISO/IEC 14443A/B, ISO/IEC 15693)
Communication with backend	3G/4G, Ethernet, OCPP 1.5/1.6
Operating temperature	-30 to +50°C
Humidity	95 % (non-condensing)
Enclosure class	IP54
Impact resistance class	IK10
Standard	IEC 61851-1 compatible, EN61439-1, EN61439-3
Approval, markings	CE, RoHS
Optional features	<ul style="list-style-type: none"> • Remote monitoring, test and reset of RCD • 6mA DC residual current leakage detection • Automatic release of charging cable in case of sudden power outage • Overvoltage protection • Lockable lid for domestic socket * • Prepared for vehicle-to-grid (ISO15118) • Temperature sensor to ensure safe charging • Tilt sensor to detect collision or vandalism • Real-time clock to ensure charging records • Dynamic Load Management • Connection to external management systems and applications to via Ensto Cloud and RESTful API • MID class kWh metering *) Measuring power consumption of domestic sockets requires a MID meter
Control options	<ul style="list-style-type: none"> • Standalone/ online • 2G/3G, LAN, Wi-Fi • OCPP • IEC15118 • Master/ slave functionality • Ensto EV Cloud & local load management • Power failure lock release for Mode 3 outlet • Local whitelist • Free charging mode • Energy management from external input • Automatic charging current management

Technical Data Media Solution		
Controller	Industrial PC	Video Interface Board
Interfaces	Ethernet (RJ-45), USB	VGA, DVI
Number of screens	1 (optional 2 under development)	
TFT Size & Format	46", 16/9 (optional 55" under development)	
Active Area	1018 x 573 mm	
Resolution	1920 x 1080 dots	
Viewing Angle (typ.)	178°	
TFT Brightness, contrast (typ.)	2500 cd/m ² with automatic dimming, 1300:1	
Front glass	Laminated antireflective front glass	
Protection class	IP65 with closed air circulation (no replaceable filters)	
Temperature range	Operation -35°C ... 55°C	
Power supply	230 VAC, 50 Hz	
Power Consumption	520W (max) including 200W heater, 160W (typ)	
Standards	CE, EN55022, EN50121-4, IEC60950	
Use	Outdoor / Indoor	
Options	3G/4G communication, CCTV camera	

General Technical Data	
Dimensions	1185 x 2159 x 262 mm
Weight	250 kg
Housing	Steel/aluminum case, RAL color



Disclaimer:
The Chago Media solution is still in development. All information and technical data listed in this document is subject to change.