

Wall-mounted EV CHARGING STATIONS



Standard



Features & benefits

- AC charging power up to 22 kW [3-phase] and up to 7.4 kW [1-phase]
- Available with built-in charging cable [straight or spiral self-folding] with Type 2 plug [optional Type 1 or Type 3] or Type 2 charging socket
- Stainless steel enclosure for the highest possible fire safety and corrosion resistance - carefree installation on Styrofoam facades, wooden structures, garages...
- 100% modular design ensures on-site upgradability and repairability in max. 15 minutes without having to send it to a service
- 100% silver-plated and multi-contact charging contacts in the plug/socket for good contact even after more than 20 years of use
- Built-in 30 mA/6mA RCD protection and automatic fuse - both with a short circuit breaking capacity of 10,000 A to ensure the highest possible level of safety for the user
- Built-in charging power contactor with 63 A current rating for a long life operation [20 years+]
- Built-in Metron Charge Control & Metron Device Access applications
- Hardwired or wireless DYNAMIC LOAD MANAGEMENT [DLM] for protecting main house fuses, adding solar power plant power to maximize charging power/speed and "green" solar surplus charging
- MODBUS TCP/IP support
- OCPP 1.6J communication for commercial marketing of charging services [pay & charge] and/or control of charging energy consumption
- ISO 15118 High-level communication module with AutoCharge automatic vehicle charging authorization and future V2G capability
- RFID reader
- OTA [over-the-air] updates
- Tesla remote charge port opener/charging plug unlocker [only works with Tesla electric vehicles]
- Certified for residential and business/commercial use
- Compatible with all electric vehicles

Models & sizes

Metron wall-mounted EV charging stations are designed for long life operation and work as independent units or connected to cloud backend systems.

STANDARD charging stations are easy to use and save space, making them the ideal solution for home and business use.

DUO charging stations contain two charging points in one housing, what provides a cheaper and easier installation when multiple vehicles need to be charged.

Both models are also available in "+" configuration that include built-in WiFi Metron Charge Control application [web server], a cloud-based [internet] Metron Device Access application, DYNAMIC load management with main fuse protection and time-based grid power draw limitation, smart solar charging, RFID user identification, ISO 15118 communication module for automatic charging authorization [AutoCharge] and future V2G capability, MODBUS TCP/IP communication and OCPP communication module for the commercial charging services.



PREMIUM FIREPROOF ENCLOSURE
powder coated stainless steel and tempered glass



INDOOR & OUTDOOR MOUNTING
IP54 and IK10 protection on all models

Duo

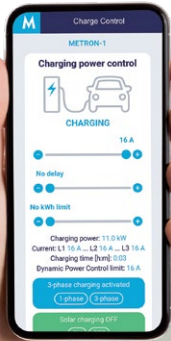


Technical data

	Standard[+]	Duo[+]
Number of charging points	1	2
Plug or socket type	Type 2 / Type 1 [IEC 62196 / SAE J1772] female plug or Type 2 Female charging socket	Type 2 / Type 1 [IEC 62196 / SAE J1772] female plug or Type 2 Female charging socket
Max charging power	3,7 kW or 7,4 kW [1-phase] 11 kW or 22 W [3-phase]	2* x 3,7 kW or 2* x 7,4 kW [1-phase] 2* x 11 kW or 2* x 22 kW [3-phase]
Max charging current	16 A or 32 A [1-phase] 3x16 A or 3x32 A [3-phase]	2* x 16 A or 2* x 32 A [1-phase] 2* x 3x16 A or 2* x 3x32 A [3-phase]
Operating voltage / frequency	from 180 V up to 270 V [phase voltage] / 50 Hz	from 180 V up to 270 V [phase voltage] / 50 Hz
WiFi Metron Charge Control and Metron Device Access applications	YES, Smart "+" models only	YES, Smart "+" models only
OCPP 1.6J module with integrated WiFi and Ethernet internet connectivity for remote monitoring and payment, also supports OCPP load management	optional for Smart "+" models only	optional for Smart "+" models only
RFID reader for ISO/IEC 14443A compatible MIFARE cards/tags, internal storage for 100 cards with energy meter for each card	optional for Smart "+" models only	optional for Smart "+" models only
METRON proprietary Hardwired or Wireless Dynamic Power Control system	YES, Smart "+" models only	YES, Smart "+" models only
MODBUS TCP/IP support	YES, Smart "+" models only	YES, Smart "+" models only
ISO 15118 High-level communication module with AutoCharge and future V2G capability, internal storage for 100 vehicles with energy meter for each vehicle [AutoCharge]	optional for Smart "+" models only	optional for Smart "+" models only
Operating ambient air temp. range	from -30°C to +50°C	from -30°C to +50°C
Weight	Approx. 8 – 10 kg	Approx. 16 – 20 kg [DUO]
Dimensions [H x W x D]	340 mm x 240 mm x 100 mm	500 mm x 370 mm x 100 mm

Metron Charge Control & Metron Device Access applications

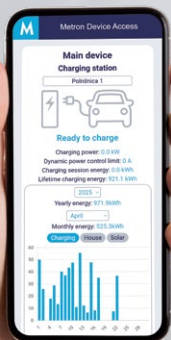
Each “+” marked Smart EV charging station features a built-in WiFi access point with the preloaded **Metron Charge Control App** (web server), allowing installers and users to connect locally using smartphone, tablet, or PC — no additional app installation required & no internet access required. Metron Charge Control app provides users with user-friendly, intuitive charging management with all essential features. Additionally, when the Smart EV charging station is connected to the internet via WiFi, users gain access to a second web-based application — **Metron Device Access**. This cloud-based (Metron HUB) platform can be accessed over the internet from anywhere.



METRON CHARGE CONTROL APPLICATION

Built-in WiFi access point — no internet access required

- ✓ Charging management and real-time monitoring of measured values
- ✓ Setting the system parameters of the charging station
- ✓ Diagnostics and fault management
- ✓ Connecting the server to the Internet (advanced)
- ✓ OTA (over-the-air) install UPDATES for application firmware via WiFi



METRON DEVICE ACCESS APPLICATION

Cloud-based (Metron HUB) platform — can be accessed over the internet from anywhere

- ✓ Charging management and monitoring of measured values
- ✓ Graphical display of charging history, household consumption and solar power plant production
- ✓ Simultaneous central management of multiple charging stations
- ✓ Export of charging history (CSV and XLSX)
- ✓ OTA (over-the-air) install UPDATES for application firmware

Personalized & stylish

We offer design customization options for larger orders. Select your desired color scheme of powder coated steel enclosure and custom laser engraving of your company logo on the front tempered glass plate. Let us help you find a style that suits you best.

