

Pillar Edge

AC 2 × 22 kW

AgeVolt Pillar Edge is an AC charger with advanced intelligent functions for electric vehicle charging, compatible with Plug Type 2. The charger is suitable for all outdoor and indoor areas, public and private parking spaces. Pillar Edge is a perfect choice for parking spaces situated

in shopping malls, supermarkets, fuel stations, motorway service areas, car-rental spaces, workplaces, warehouse and other public car parking areas. It is a modular charging station that can be customised according to customer requirements.

Key features

- + **intuitive** operating software
- + **local off-line** operation without the need for cloud connection
- + **intelligent** dynamic charging performance management
- + **prevents** exceeding the circuit breaker load and the reserved capacity of the building
- + option wired or **wireless internet connection**
- + user authentication **using an RFID chip** or application using NFC or QR code
- + option to have **customised branding**
- + **public sharing** via AgeVolt Digital Platform
- + possibility to charge **two vehicles at the same time**
- + **simple control** using multilingual touch control display

Product image for illustration purposes only. Actual product may vary



No increase in fixed monthly costs for the electrical connection.



Option to connect the charging station with existing photovoltaics and charge using solar.



Easy and convenient charging through AgeVolt mobile application.



Steel construction with a durable surface finish guarantees protection against adverse weather conditions.



Able to connect to an existing electrical connection.



Utilisation of free capacity of the electrical connection and charging optimisation according to the current consumption of the building.

Customize your Pillar Edge

AgeVolt charging stations consist of several modules that can be implemented based on your preferences. A simple charger can become a smart solution that, in addition to charging, will serve as an electrometer and will be able to manage building consumption and communicate with internal systems.

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agevolt.com



Basic module



Pillar Edge with sockets (without cables)

The charging station with sockets is an ideal solution for open public spaces, or unguarded parking areas thereby reducing the risk of theft or vandalism. Any damage to the mounted cable will put the entire charging station out of service.



Pillar Edge with cables (2 x 5 m)

The charging station with an assembled cables is an ideal solution for private or guarded charging areas. Charger with a cable makes the charging process more comfortable and faster for the driver since there is no need to use the own cable.

Technical specifications

Overall dimensions (WxHxD) 300 x 1475 x 230 mm

Weight 25 kg

Number of EVSE 2

Operating temperature -30 °C to +50 °C

EVSE socket version : TYPE 2 Mennekes socket (IEC62196-2)

Operating humidity 5 % to 95 %

EVSE cable version: TYPE 2 Mennekes cable 5 m (IEC62196-2)

Storage temperature -30 °C to +60 °C

Maximum EVSE performance 22 kW

Material Steel

Rated Voltage 3 × 400/230 V AC, 24 V DC

Internal access Front panel

Rated current 63 A

Assembly access Front panel

Rated frequency 50 Hz

Status indication 2x LED Bar

Protection level IP54

Electric meter MID Class 1

Impact protection IK08

DC protection RCD DC 6 mA

Optional additional modules



Smart System

Smart System can handle multiple chargers within one location. It enables internet connectivity, meaning the charging points can be controlled by mobile and web applications offering advanced functionalities and benefits, e. g. remote charging control, charging point sharing with public, adding users and more.

- + Power control – dynamic energy management according to free capacity
- + Network Internet connection - 10/100 BaseTX
- + Modbus TCP/IP
- + Wireless Internet connection - LTE/3G, Wi-Fi
- + Protocol – OCPP 1.6



Smart Meter

This module contains an electric meter that enables the Smart System to manage charging power. This allows you to charge your vehicles at maximum available power without worrying about a power failure or exceeding a reserved capacity.

- + Smart Meter Pro - requires a Smart System, for power feeds up to 2,400 A
- + Smart Meter Home - does not require a Smart System, for power feed up to 50 A



Internal protection

Module includes residual current circuit breaker with overcurrent protection. These accessories are essential, unless the supply cable for the charging point on the building side is already protected.

- + Protective device - circuit breaker and leakage current protection B/32 A, 30 mA, 3 + N, type A, 6 kA



Installation set

This module contains a metal frame (construction) which can be inserted into the concrete foundation and facilitate the installation of the charging station in such a place.

- + Metal anchoring system



Custom branding

Custom design of the charging station.

- + Colour of enclosure
- + Plotted adhesive foil