WALLBOX

ONE AC 1×22 kW

AGEVOLT
NEW AGE OF E-MOBILITY

AgeVolt Wallbox ONE 1×22 kW is an AC charger with advanced intelligent functions for electric vehicle charging, compatible with Plug Type 2. It is a modular charging station that can be customised according to customer requirements. It is a compact charger with a robust design, offering durability in both indoor and outdoor parking spaces.

TECHNICAL SPECIFICATIONS

Number of EVSE: 1	**Protection level:** IP54
Connection: Socket or Cable TYPE 2 Mennekes	**Impact protection:** IK08
Overall Dimensions: 314 × 264 × 125 mm	**Weight:** 8 kg
Maximum EVSE performance: 22 kW	**Material:** Aluminium Alloy
Rated Voltage: 3 × 400/230 V AC, 24 V DC	**Access to device:** Service (front) door panel
Rated current: 32 A	**Status indication:** Backlit Button
Rated frequency: 50 Hz	**Storage Operating temperature:** -25 °C to 45 °C

KEY FEATURES

⚡ intuitive operating software

⚡ compatible with AgeVolt mobile app and web application

⚡ public sharing via AgeVolt Digital Platform

⚡ able to connect to an existing electrical connection; no upgrades needed

⚡ option of using energy from photovoltaic panels

⚡ local off-line operation without the need for internet 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

⚡ possibility of wireless communication with the control system

Aluminium alloy construction with durable finish guarantees protection against adverse weather conditions

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

Option to use only excess energy from solar panels for charging

Energy Management System – utilisation of free capacity of the electrical connection and charging optimisation according to the current consumption of the building

Easy and convenient charging through AgeVolt mobile application

No increase in fixed monthly costs for the electrical connection

Customise
your charger

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.

Basic module

Vehicle connection method

Wallbox ONE with socket
The Charging station with a socket is an ideal solution for public and unguarded charging areas. The charger does not contain the assembled cable. An option is available to order a socket lock which will ensure the charging process is not interrupted.

Option to add the socket lock

Wallbox ONE with cable (5 m)
The Charging station with an assembled cable 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.

Additional modules

Accessories   More modules could be selected

Socket Lock*
A Socket Lock can lock the charing cable during the charging process, thus preventing another person from pulling it out and interrupting the charging process.

* Only for Wallbox ONE with socket

Energy Management System
This module contains an electricity meter which measures and regulates the charging power. This ensures vehicle charging is optimised without worrying about the circuit breaker failures or exceeding the reserved capacity.

Optional charger equipment   Only one module could be selected

Internal protection
This module includes an internal circuit breaker, type A circuit breaker and DC protection. The charging station has to include this equipment if the secured supply cable protection for the charging station is not in place on the building side.

Smart System
In addition, to the Internal Protection, this module also contains a Smart System, which can operate several chargers within one location. It enables integration of the Local User Authorisation Module for each charger. Module also enables internet connection so that the charging process can be controlled through a web or mobile applications. This brings in many benefits such a real-time monitoring of the charging process, remote control of charging and option to share the charging points.

Local user authorisation   Only one module could be selected

RFID Card Reader
This module enables user authentification and authorisation via the RFID card assigned to the user or the vehicle. RFID is the best option for fleet vehicles and company vehicle users. It is also recommended for parking places without a stable mobile signal and for simple vehicle identification.

Integrated Display with RFID Card Reader
Integrated Display enables easy access to charging session information. Multiple charging points can be managed and operated through single display unit.