

# Wallbox One

AC 1 × 22 kW

 AgeVolt  
e\_veryday

AgeVolt Wallbox One 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. Wallbox One is a compact charger with a robust design, offering durability in both indoor and outdoor parking spaces.

## Key features

- + **intuitive** operating software
- + option of using energy from **photovoltaic panels**
- + **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**
- + public sharing via AgeVolt Digital Platform
- + option to have **customised branding**
- + optional mounting on a stand



Product image for illustration purposes only. Actual product may vary



No increase in fixed monthly costs for the electrical connection.



Aluminium alloy construction guarantees protection against adverse weather conditions.



Easy and convenient charging through AgeVolt mobile application.



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



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 Wallbox One

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



### Wallbox One with socket (without cable)

The charging station with socket 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.



### Wallbox One with cable (2 x 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.

## Technical specifications

<b>Overall dimensions (WxHxD)</b>	314 × 264 × 125 mm	<b>Weight</b>	8 kg
<b>Number of EVSE</b>	1	<b>Operating temperature</b>	-30 °C to +50 °C
EVSE socket version : TYPE 2 Mennekes socket (IEC62196-2)		<b>Operating humidity</b>	5 % to 95 %
EVSE cable version: TYPE 2 Mennekes cable 5 m (IEC62196-2)		<b>Storage temperature</b>	-30 °C to +60 °C
<b>Maximum EVSE performance</b>	22 kW	<b>Material</b>	Aluminium alloy (AlMgSi)
<b>Rated Voltage</b>	3 × 400/230 V AC, 24 V DC	<b>Internal access</b>	Front panel
<b>Rated current</b>	32 A	<b>Assembly access</b>	Front panel
<b>Rated frequency</b>	50 Hz	<b>Status indication</b>	backlit button ( LED)
<b>Protection level</b>	IP54	<b>Electric meter</b>	MID Class 1
<b>Impact protection</b>	IK08	<b>DC protection</b>	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



### Display and RFID reader

Integrated display in the charger gives user information about charging session.

- + Display with touch control
- + RFID reader – 13.56 MHz, Mifare (ISO14443A, ISO15693)
- + Requires a Smart System



### Custom branding

Custom design of the charging station.

- + Colour of enclosure
- + Front panel sticker