

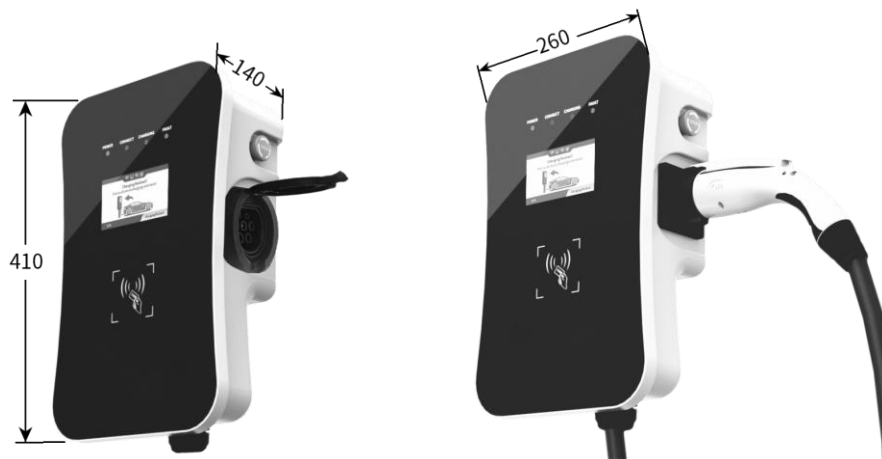
Electric charging station WBSH2-7

Data Sheet P/N 01040-1500-00 - rev. 1 date: 14/04/2022

The WBSH2-7 charging station is a 7kW (32A) intelligent charging system for electric vehicles (Wall Box) capable of optimizing the use of the energy produced by the photovoltaic system and controlling the maximum load that can be managed by the home contactor. The WBSH2-7 charging station can be installed in residential environments, hotel parking, garages, car parks, etc.



Dimensions



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Characteristics of the device



The device is equipped with a generous display for programming and verifying operation locally.

Thanks to its App or the use of the MyVirtuoso Home Building Automation system, the **WBSH2-7** charging station can be programmed to manage a maximum charging current and the operating time slot to maximize the energy yield of the residential system.

The **WBSH2-7** charging station supports the use of RFID cards for applications in contexts where centralized management of charging authorizations is required.



Technical notes

Type	WBSH2-7
Product number	01040-1500-00
Rated voltage	230 V
Frequency	50/60 Hz

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Current	32 A
Power	7 kW
Recommended cable type	Copper cable – 3 x 6 mm ²
Connection terminals	L1 – N – PE
Charging interface	IEC 62196-2, Type 2, single-phase with charging socket and 5 m cable

Functions

Charging mode	Mode 3
Charging control	Local: "Plug and play" o smart card Remote: smartphone APP control 4,3" LCD
Display screen	(Allows you to view: charging current, voltage, power, charging time, charging status, error information, etc.)
Indicator lights	4 LED (They indicate four states: power, charge, fault and network)
Communication interface	<ul style="list-style-type: none">• Ethernet (interface RJ-45)• Wi-Fi (2.4 GHz)• ModBus (interface RS-485)
Communication protocol	OCPP 1.6J
Safety protection	Emergency button, overload, over-temperature, min/max power supply, over current, earth protection.
Electrical protection	Differential switch (Type B)
RCD built-in	Present, Type B (AC 30mA + DC 6mA)

Ambient conditions

Altitude	≤ 2000m
Storage temperature	- 40 ~ 75°C
Operation temperature	- 30 ~ 55°C
Relative humidity	≤ 95% RH, No condensation
Vibration	< 0.5G
Installation location	You can install the device indoors and outdoors with good ventilation. ATTENTION! Make sure that there are no flammable substances present on the installation site.

Mechanical parameters

Net weight	≤ 9Kg
Dimension	H x W x D = 410 mm x 260 mm x 140 mm
Mounting	Wall-mounted or pole-mounted
Color & Material	Front panel: Black, Tempered glass Back cover: White, Metal
IP code	IP54

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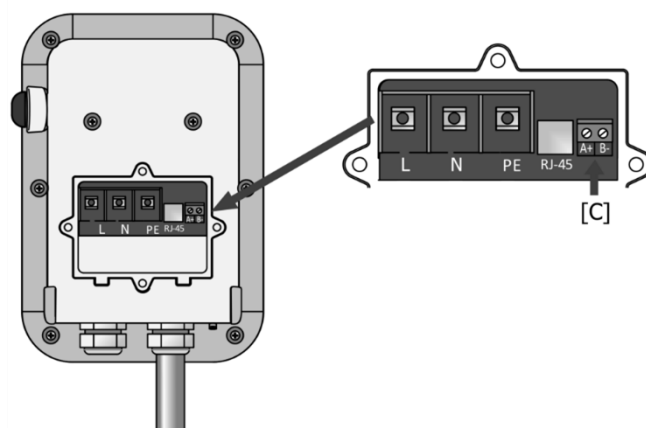
Certifications

CE, ROHS, REACH

ModBus (RS-485)

The WBSH2-7 charging station has an RS-485 type ModBus communication protocol. The image relating to the connection terminals on the charging station is shown below.

Note: For a correct installation it is advisable to refer to the user manual.



[C] ModBus communication terminals (RS-485) - A + & B +



SmartDHOME

SmartDHOME Srl
V.le Longarone 35, 20058 Zibido San Giacomo (MI)

info@smartdhome.com

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