Electric charging station WBSH1-7

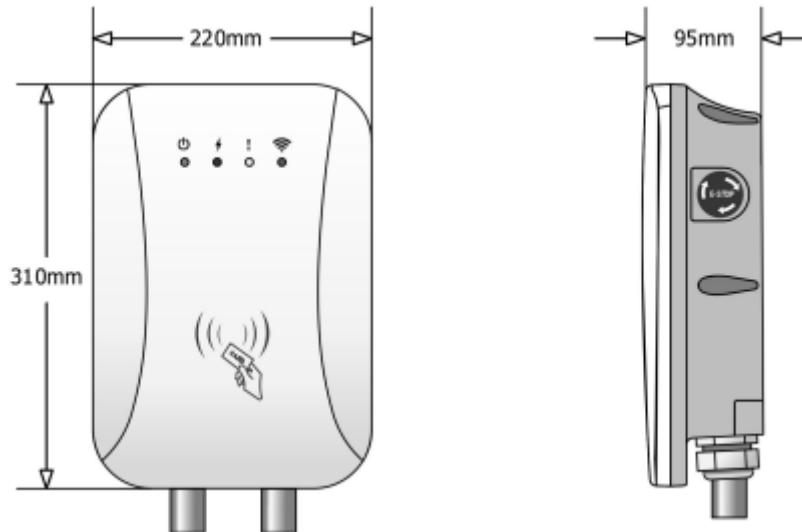Data Sheet P/N 01040-1000-00 - rev. 1 date: 14/04/2022

The WBSH1-7 charging station is a 7 kW (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 meter. home. The WBSH1-7 charging station can be installed in residential environments, hotel parking, garages, car parks, etc.

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Data Sheet P/N 01040-1000-00 - rev. 1 date: 14/04/2022

Dimensions

Characteristics of the device

Thanks to its APP or the use of the MyVirtuoso Home Building Automation system, the **WBSH1-7** can be programmed to manage a maximum charging current and the operating time range to maximize the energy yield of the residential system.

The **WBSH1-7** charging station supports the use of RFID cards for applications in contexts where centralized management of charging authorizations is required.

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Data Sheet P/N 01040-1000-00 - rev. 1 date: 14/04/2022

Data Sheet

Type	WBSH1-7
Product number	01040-1000-00

Power	**7kW**
Rated current	32 A
Minimum dimensions of the input power cable	Copper cable, 3x6 mm^2
Input voltage	Single phase AC, 230V±10%
Nominal frequency	50/60 Hz

Circuit

Input circuit terminals	L1 – N – PE
Charging method	3 modes

Charge control

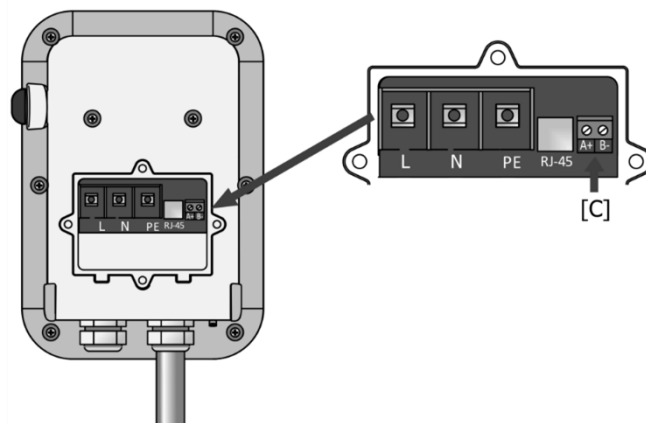|	
Light indicators	4 LEDs (Indicate four states: power, charge, fault and network)
Communication interface	- Ethernet (RJ-45 interface) - Wi-Fi (2.4 GHz) - ModBus (RS-485 interface)
Communication protocol	OCPP 1.6
RCD inside	Type B
Safety protections	Overvoltage, over temperature, overcurrent and earth protection.
Assembly	Wall mounting
Charging connector	IEC 62196-2, Tipo 2
Length of the charging cable	5m (Standard configuration)
Dimensions	309 mm x 215 mm x 114 mm
Weight	≤ 8Kg
Color and material	**Front panel:** White, Polycarbonate (PC) **Back cover:** Gray, Polycarbonate (PC)
IP code	IP65
Altitude	≤ 2000m
Storage temperature	- 40 ~ 75°C
Operating temperature	- 30 ~ 55°C
Relative humidity	< 95% (not condensed)
Vibration	< 0,5 G
Place of installation	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.

ModBus (RS-485)

The WBSH1-7 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.

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Data Sheet P/N 01040-1000-00 - rev. 1 date: 14/04/2022

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

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