MINI Wallbox Plus

INSTRUCTIONS FOR USE.
ORIGINAL MINI ACCESSORIES.

MINI Wallbox Plus
Instructions for use

EN

Contents

1 Information

⚠️ Denotes instructions that draw your attention to dangers.

▷ Denotes instructions that draw your attention to special features.

◀ Denotes the end of the instruction or warning text.

1.1 Safety information

Read the safety information carefully and familiarise yourself with the device before you attempt to install, operate or service it.

⚠️
- Danger from electricity. The MINI Wallbox Plus must be installed, commissioned and serviced by appropriately trained, qualified and authorised electricians (1), who bear full responsibility for complying with the current standards and installation regulations.

- Please note that vehicles or national regulations may require additional overvoltage protection. Please refer to your national connection and installation standards.

- Check that all screw and terminal connections are secure before commissioning the device. The terminal panel must never be left open unattended. Fit the terminal panel cover if you leave the MINI Wallbox Plus unattended.

- Do not make any unauthorised changes or modifications to the MINI Wallbox Plus.

- You must not carry out any repair work on the MINI Wallbox Plus. This work may only be carried out by the manufacturer or a trained expert (MINI Wallbox Plus replacement).

- Do not remove any identifiers such as safety symbols, warnings, type plates, labels or cable markings.

- The MINI Wallbox Plus does not have a mains switch. The residual current circuit breaker (RCCB) and circuit breaker on the building installation are used as the mains isolation device.

- Pull the vehicle connector out of the inlet by the plug, not the cable.

- Ensure that the vehicle connector is not mechanically damaged (kinked, jammed or run over) and that the contact area does not come into contact with heat sources, dirt or water.

- Do not touch the contacts of the connector.

- Always carry out a visual inspection for signs of damage before charging. Pay particular attention to dirt and moisture on the plug, cuts on the vehicle connector cable or chafe marks on the insulation. In addition, ensure that the cable output of the MINI Wallbox Plus is securely fastened. ◀

(1) Persons who, as a result of training, skills and experience and their knowledge of the relevant standards can assess the work and identify possible dangers.

⚠ ▪ Never clean the MINI Wallbox Plus using a jet of water (hosepipe, pressure washer, etc.).
▪ Ensure that the MINI Wallbox Plus is not damaged by incorrect handling (housing cover, internal components, etc.).
▪ Do not open the terminal panel cover if the MINI Wallbox Plus is installed outdoors and it is raining or snowing.
▪ Do not break the plastic housing by use of excessive force.
▪ Do not use countersunk screws to secure the device.
▪ Do not tighten the mounting screws with excessive torque. Instead, follow the instructions in the manual with regard to torque.
▪ The installation surface must be completely level (max. 1 mm difference between the support and fastening points). Do not bend the housing.
▪ For maximum safety, the smart energy module must be installed/sealed in a secure environment to prevent unauthorised access. All connecting cables and seals must be checked regularly. If a seal is broken, safety can no longer be guaranteed and MINI as well as its affiliated companies are not liable for any damages and/or losses related to such disturbances, security breaches, unauthorised access, interfaces, intrusion, leakage and/or theft of data or information. ◄

Information for trained personnel who may open the housing: Danger of damage. Electronic components may be destroyed if touched. Conduct an electrical discharge procedure before handling modules by touching a metallic, earthed object. If you fail to follow the safety information, there is a risk of death, injury and damage to the device. The manufacturer cannot accept any liability for resultant claims.

1.2 Intended use

The MINI Wallbox Plus has been developed for use with all MINI Group fully electric and hybrid vehicles and all vehicles which comply with standard IEC61851-1 2017 (with the exception of vehicles with a simplified pilot circuit) or later.

The MINI Wallbox Plus is a charging station for indoor and outdoor use for charging electric or plug-in hybrid vehicles. Do not connect any other devices to it, e.g. electric tools. The MINI Wallbox Plus is designed for installation on a wall or column. You must comply with the relevant national regulations for installing and connecting the MINI Wallbox Plus.

At all times, the device must be used in compliance with the ambient conditions for which it has been designed.

The MINI Wallbox Plus has been developed, manufactured, tested and documented on the basis of the relevant safety standards. If you comply with the instructions and safety information specified for its intended use, the product will normally not pose any danger in terms of property damage or to people's health.

This device must be earthed. In the event of an error, the earth connection will reduce the risk of an electric shock.

Follow the instructions in this manual to the letter. Otherwise, this may lead to dangerous situations or safety equipment may be rendered inoperable. In addition to the safety information in this manual, you must also comply with the safety and accident prevention regulations for the specific device.

1.3 About these instructions

These instructions are intended for trained personnel only. These are persons who, as a result of their training, skills and experience and their knowledge of the relevant standards, can assess the work assigned to them and identify possible dangers.

The figures and explanations in these instructions refer to a typical version of the device. Your device version may differ from this.

For information and instructions on how to operate the device, please refer to the operating instructions.

Spec Label

Part Number
(61 90 XXXX)

Safety Number
(61905BXXX)

Illustration: Location of specifications label/type plate.

1.4 Package
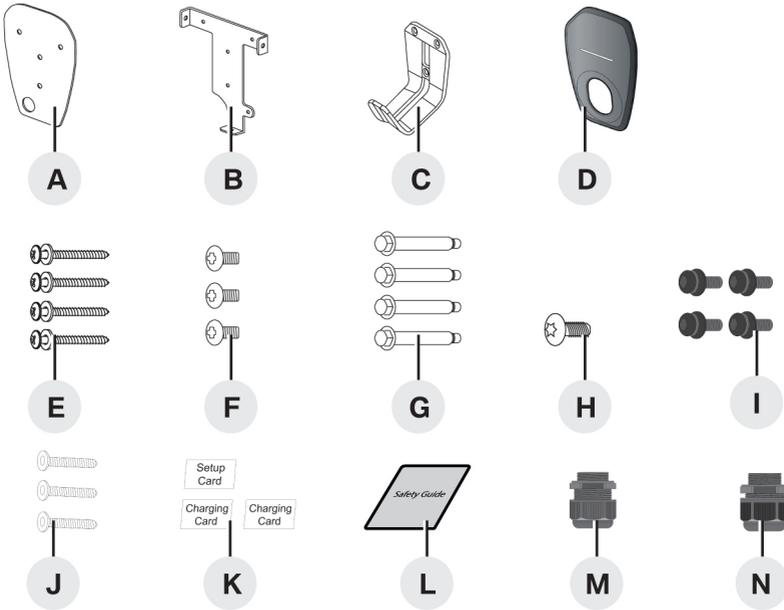
A   Mounting template

B   Mounting bracket

C   Cable holder

D   Cosmetic cover

E   Wood screws No. 8 (4x)

F   Torx T30 mounting bolts (3x)

G   1/4" expansion bolts (4x)

H   Torx T20 anti-theft screw

I   Screw for middle cover (4x)

J   M6 hexagon socket cable holder screw (3x)

K   Setup card, charging card (2x)

L   Safety Guide

M   M32 cable gland

N   M25 cable gland

1.5 Warranty

Further information about the warranty terms and conditions is available from MINI Service. However, the following cases are not covered by the warranty.

- Defects or damage caused by installation work which has not been carried out as specified in the MINI Wallbox Plus installation instructions.
- Defects or damage caused by the product not being used as specified in the MINI Wallbox Plus operating instructions.
- Costs and damage caused by repair work which has not been carried out by a specialist electrician authorised by a MINI sales outlet or an authorised service workshop.

1.6 General information

Connected Home Charging Services (Section 8.6) are available for selected markets. In order to be able to use the load-optimised charging and solar-optimised charging functions, an additional smart energy module is required which must be purchased separately via the installer.

Compatible smart energy modules are listed under Section 5.1.

2 Overview

2.1 Display and controls
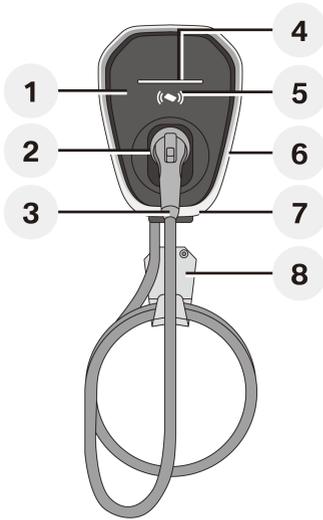
1. Cosmetic cover
2. Vehicle connector inlet
3. Vehicle connector
4. LED display
5. RFID reader
6. Middle cover
7. Mounting bracket
8. Cable holder

2.2 Quick Start Guide for commissioning the MINI Wallbox Plus

1. Downloading and installing the Wallbox Installation App
   Scan the following QR code; it can also be found on the Safety Guide and in Section 6 of these operating instructions

Wallbox Installation App for **iOS**

Wallbox Installation App for **Android**

2. Mounting and installing the MINI Wallbox Plus. See Sections 4 to 7 in these operating instructions or the installation instructions in the Wallbox Installation App

3. Optional: Connecting a smart energy module (Section 5.1)

4. Setting up and configuring the MINI Wallbox Plus via the Wallbox Installation App
   a) Establishing a Bluetooth connection with the Wallbox. Please scan the multifunctional QR code with individual access information on the **password sticker in the Safety Guide** (see Figure 1 below for an example of the QR code)
   b) Setup and configuration using the Installation Wizard of the Wallbox Installation App

5. Optional: Setting up a back end connection. Required for use with the MINI App and the Connected Home Charging Packages (for selected markets only)

6. Optional: Activating access control via RFID card (Section 8)

7. Configuration validation and configuration test via the Installation Wizard of the Wallbox Installation App

8. Optional: Establishing the connection to the MINI App. To establish the connection, please use the multifunctional QR code with individual access information on the **password sticker in the Safety Guide** (see Figure 1 below for an example of the QR code)

Serial Number:
****
Installation App Password:
****
Bluetooth Pairing Key:
******
Recovery Key:
****
WiFi AP Password:
****
WiFi Login Password:
****

Figure 1: Example of the password sticker in the Safety Guide.

3 Specifications

3.1 General criteria for selecting an installation location

The MINI Wallbox Plus has been designed for indoor and outdoor use. For this reason, it is necessary to ensure the correct installation conditions as well as the appropriate protection of the device at the installation location.

- Observe local electrical installation regulations, fire and accident prevention regulations as well as regulations regarding the rescue routes at the location.
- Do not install the MINI Wallbox Plus at locations:
  - which are used as escape and rescue routes.
  - which are located in potentially explosive areas.
  - at which the MINI Wallbox Plus is exposed to ammonia or ammonia gases.
  - at which the MINI Wallbox Plus may be damaged by falling objects.
  - at which the MINI Wallbox Plus is located on a direct personnel route and persons may trip over the connected vehicle connector.
  - at which the Wallbox Plus may be struck by jets of water.
  - at which the installation surface does not have sufficient strength to withstand the mechanical stresses.
- If possible, install the MINI Wallbox Plus in such a way that it is protected from direct rainfall so as to avoid the effects of weather, icing and damage caused by hailstones or comparable events.
- If possible, install the MINI Wallbox Plus in such a way that it is protected from direct sunlight to prevent the reduction of the charging current or the interruption of the charging process due to excessive temperatures of MINI Wallbox Plus components.
- Comply with the permissible ambient conditions; see Section "Technical data".
- Observe national and international installation standards and regulations.

3.2 Specifications for the electrical connection

Using the Installation Wizard in the Wallbox Installation App, ensure that the maximum current is set in line with the installed circuit breaker.

Selecting the residual current circuit breaker

The connecting cable must be wired into the existing building installation and comply with the national statutory regulations.

The following considerations must be taken into account:

- A separate residual current circuit breaker (RCCB) must be externally connected to each MINI Wallbox Plus. No other circuits may be connected to this RCCB.
- The RCCB must be at least of type A (30 mA trip current).
- Additional measures have been taken in the EVSE to protect it from an alternating current (AC) fault (<30 mA AC) and a direct current (DC) fault (<6 mA DC).

Selecting the circuit breaker

When selecting the circuit breaker, the standard value of the rated conditional residual short-circuit current for the MINI Wallbox Plus is 1500 A. You must also take into account the increased ambient temperatures in the control cabinet. Under certain circumstances, this may require a reduction in the charging current settings to increase the system's availability.

Set the rated current based on the required charging power and the supply cable in accordance with the specifications on the type plate.

A circuit breaker of type B (40 A, min.; 400 V, min.) must be used.

Selecting the supply cable

When selecting the supply cable, take into account the possible reduction factors and the increased ambient temperatures in the internal connection area of the MINI Wallbox Plus, see the temperature rating of the supply terminals. Under certain circumstances, this may require an increase in the cable cross-section and an adjustment of the supply cable's temperature resistance.

Mains isolation device

The MINI Wallbox Plus does not have a mains switch. The RCCB and/or the circuit breaker in the supply cable are used as a mains isolation device.

4 Installation

4.1 Installation requirements

- Comply with the local installation regulations.
- Acclimatisation: If there is a temperature difference of more than 15 °C between transport and the installation location, the MINI Wallbox Plus must be allowed to acclimatise unopened for at least two hours. Opening the MINI Wallbox Plus immediately may result in the formation of condensation in the interior and may cause damage when the device is switched on. Under certain circumstances, damage caused by the formation of condensation may only occur at a later date after the installation. Ideally, the MINI Wallbox Plus should be stored at the installation location for a few hours in advance. If this is not possible, do not store the MINI Wallbox Plus outdoors overnight or in a vehicle at low temperatures (<5 °C).

Tool list

- Electric drill (only for masonry walls)
- Torx T30 screwdriver
- Torx T20 screwdriver
- Phillips screwdriver No. 2
- Crimping tools
- Cable of appropriate trade size for signal lines, RS-485 (0.75 mm^2) M25.
  The RS-485 cable must meet the UL2919 requirement.
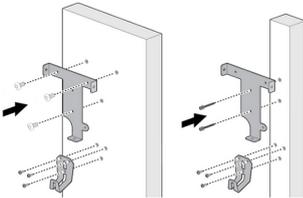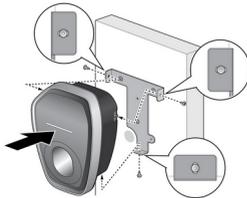
4.2 Recommended installation positions

When selecting the installation position, take note of the charging connector position on your vehicle and the direction in which you normally park it.
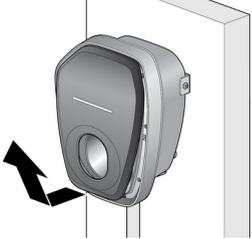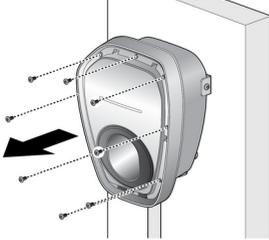
4.3 Required clearances

Observe the applicable accessibility requirements for the installation position. The device must be mounted at a sufficient height above ground so that the storage height is between 1,000 mm (39 inches) and 1,200 mm (47 inches).
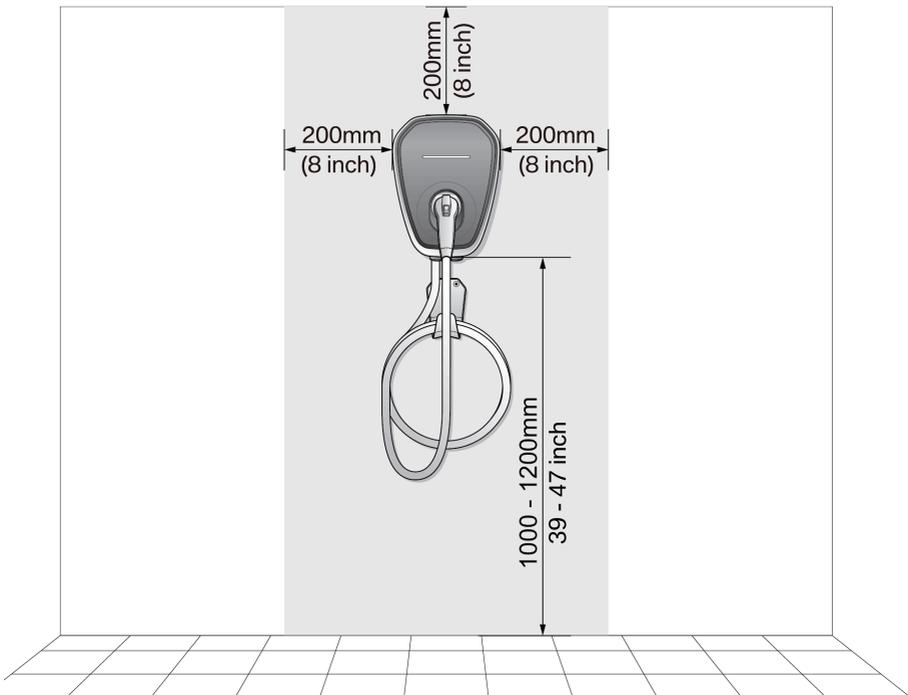
4.4 Mounting the MINI Wallbox Plus

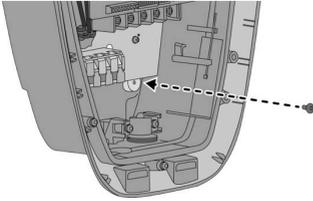|	
	1. The product is a stationary, wall-mounted device. It includes mounting template **A** to mark the bolt/screw positions for mounting bracket **B** and the cable holder (optional).
	2. Fasten mounting bracket **B** to the wall. The cable holder is optional and depicted in the figure for demonstration purposes. The following bolt/screw types are recommended: - Masonry walls: 1/4" expansion bolts **G** Tightening torque: 8.8 Nm (78 lb·in) - Drywalls supported by wooden posts: Wood screws **E** with a screw length of at least 2" Tightening torque: 3 Nm (26 lb·in)
	3. Align the screw holes on mounting bracket **B** and the product. 4. Install and fasten the product on the mounting bracket **B** using the supplied Torx T30 **F**. Tightening torque: 1.5 Nm (13 lb·in)

4.5 Removing the covers

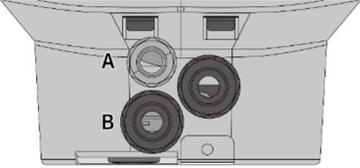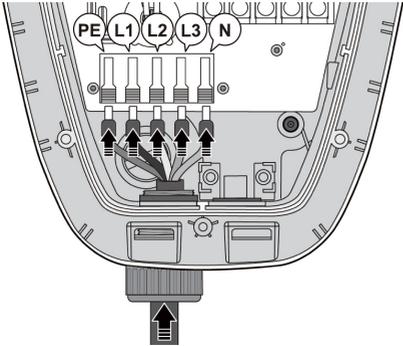|	
	5. Remove the cosmetic cover **D**.
	6. Use a T20 screwdriver to remove the screws which secure the middle cover. Tightening torque: 1.4 Nm (12 lb·in) 7. Remove the middle cover. **The middle cover has to be removed carefully and held parallel during the process. Do not tilt while removing. Do not remove any other screws apart from the above-mentioned screws.**

4.6 Securing the anti-theft screw
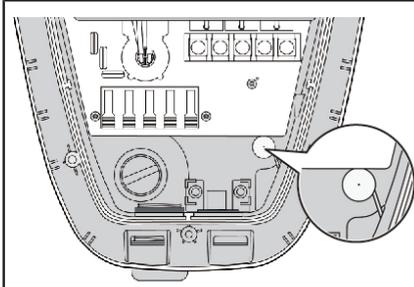
	8. The hole for the anti-theft screw **H** is covered by a void label.
	9. Tighten anti-theft screw **H** through the void label. Tightening torque 1.2 Nm (10 lb in)

5 Electrical installation

Use an appropriate copper wire with listed pressure terminal connectors, such as a ring and fork type, on the end of the conductor before attaching it to the terminals. Ensure a sufficient wire length to facilitate installation.

	A Conduit of appropriate trade size for signal wires, RS-485 (0.75 mm^2). Applicable cable diameter: 9 mm to 11 mm B Power input cable. Applicable cable diameter: 13 mm to 20 mm C Power output cable
    It is also possible to connect the MINI Wallbox Plus to a single phase. To do so, connect terminals L1, N and PE. ◀	Connect each terminal to the correct connection on the input terminal strip. Then secure the terminal for the input cable correctly. The stripped length of the input cable must correspond to the specification in the Wallbox.

- Conductor cross-section, solid, max. = 16 mm² (6 AWG)
- Conductor cross-section, flexible with ferrule with plastic sleeve, max. = 10 mm²

Select a suitable cable to comply with all current local, state and national regulations and standards for electrical systems. Ensure that the circuit breaker is switched off before installation.

 Ensure that hazardous voltages are isolated safely. ◀

5.1 Optional - connecting a smart energy module

Connect the external smart energy module for monitoring the domestic power connection. The configuration of the smart energy module must be carried out via the Installation Wizard in the Wallbox Installation App. The connection of a smart energy module is required to activate the charging functions of the MINI Connected Home Charging Services (Section 8.6).

▷ You must ensure that the setting parameters of the smart energy module are accurately transferred to the Wallbox Installation App. ◀
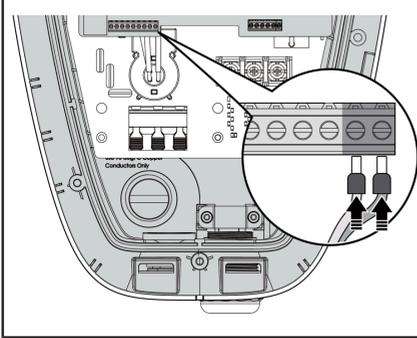
<table>
<tr>
<td></td>
<td>Connect the RS-485 interface with the shielded and twisted connecting cables
(>0.5 mm², max. 30 m)
Definition:
Pin 8 (CNB12): 485 D+/Tx+/Rx+
Pin 9 (CNB12): 485 D-/Tx-/Rx-</td>
</tr>
</table>

The following smart energy modules can be used for MINI Connected Home Charging Services – load-optimised charging and solar-optimised charging:
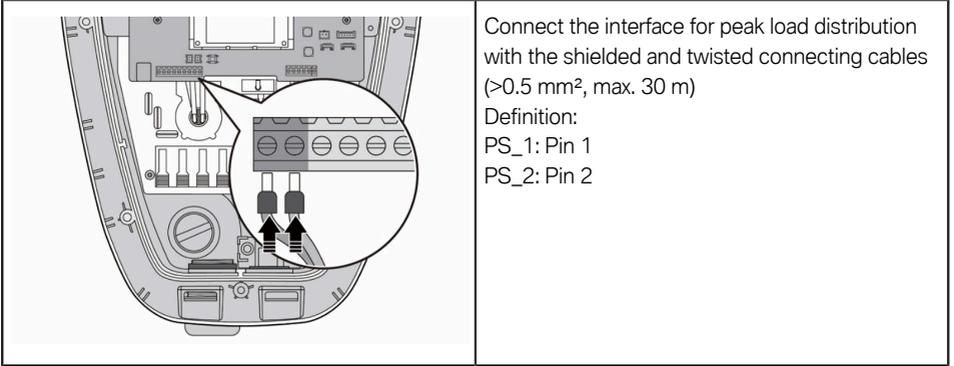
- Inepro Pro 380-MOD for three-phase connections
- Inepro Pro2-MOD for single-phase connections
- Janitza B23 312-10J for three-phase connections
- Janitza B21 312-10J for single-phase connections
- Schneider Electric A9MEM3150
- Siemens 7KT1665
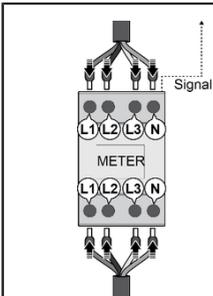
<table>
<tr>
<td></td>
<td>Connect the smart energy module to the power line in accordance with the instructions in the manual of the corresponding smart energy module.</td>
</tr>
</table>

5.2 Optional - peak load distribution

An additional external component is required for peak load distribution and depends on the distribution network operator.

	Connect the interface for peak load distribution with the shielded and twisted connecting cables (>0.5 mm², max. 30 m) Definition: PS_1: Pin 1 PS_2: Pin 2

5.3 Optional - Ethernet connection of the Wallbox

 In the Wallbox Installation App, the back end connection can also be established via Wi-Fi or eSim. ◀

	Connect the Ethernet interface using RJ45 cables
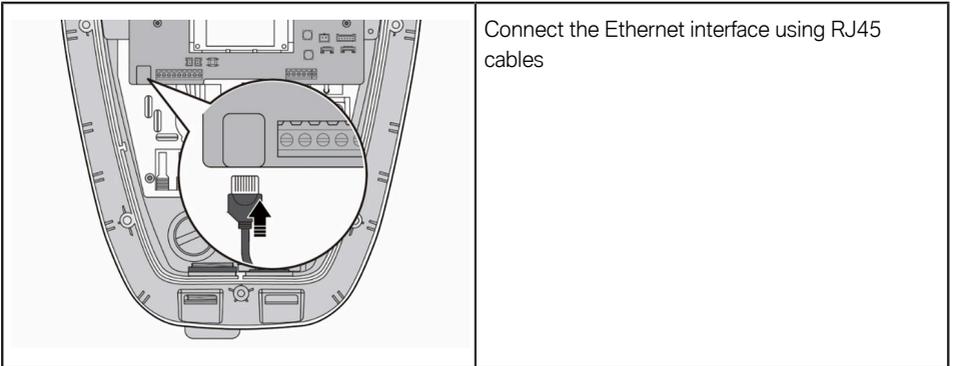
6 Configuration via the Wallbox Installation App

6.1 Wallbox Installation App

You must use the Installation Wizard in the Wallbox Installation App to configure the MINI Wallbox Plus.

If the Installation Wizard has not been completed successfully, charging is not possible.

The installer or MINI service partner must use the Service and Wallbox Installation App to configure the device, download the charging history and diagnosis, update the firmware and rectify errors.

These instructions include all currently offered systems and functions. For this reason, they also describe systems and functions which may not be available due to specific market conditions or the specific installation and configuration at your location.

Some functions may only be accessible via the expert mode in the Wallbox Installation App.

The expert mode is provided for specialists such as qualified electricians to use the Installation Wizard and to change settings related to the mains, smart energy module or back end. The usage of this function is not recommended for general users. The password for accessing expert mode is: **1916**

Functions

- Installation Wizard
- Diagnostic data
- Wallbox status
- Live data
- Wallbox configuration
- Authorisation settings (RFID)
- RFID card management
- Configuration of the data connection

- Smart energy module configuration
- Electrical configuration
- Password management of the Wallbox Installation App
- Brightness of the LED display
- Installation instructions
- Firmware upgrade
- Resetting the Wallbox
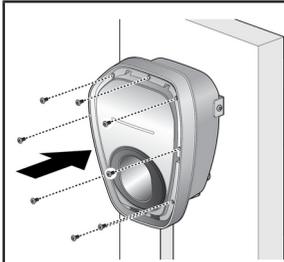
The app is available in all relevant app stores.
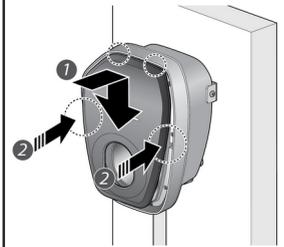

Wallbox Installation App for **iOS**

Wallbox Installation App for **Android**

7 Commissioning

	Install middle cover **D**. Torque: 1.0 Nm (8.7 lb·in)
	Install and lock the cosmetic cover. ▷ A clearly audible click confirms that the front cover is closed. ◀

▷ The MINI Wallbox Plus must be connected to the MINI App. In the MINI App, go to the "Charging" menu and select "MINI Wallbox". ◀

8 Operation

The MINI Wallbox Plus is supplied with access control via app deactivated as standard. If you would like to use access control, please adjust the configuration accordingly in the Wallbox Installation App. For further information, see Section 6.

For access control via RFID cards, charging cards must be registered using the setup card. The MINI Wallbox Plus is supplied with two RFID cards.

For access control via automatic vehicle detection (MAC authentication), vehicles must be registered using the setup card. You can use this authentication option with the following vehicles that support ISO 15118.

As of vehicle software 07/24
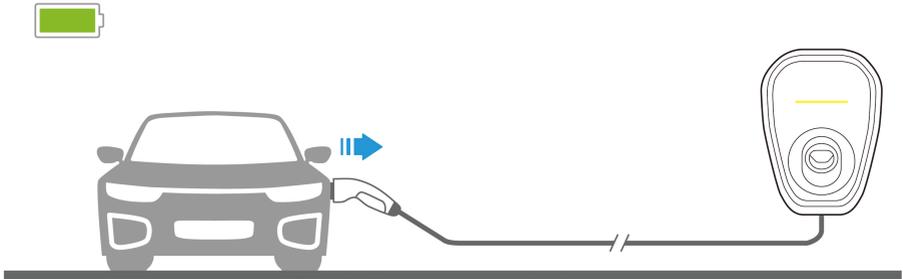MINI Cooper Electric, MINI Aceman Electric, MINI Countryman Electric

8.1 Starting the charging process with access control deactivated

1. Connect the vehicle connector to the vehicle inlet.

2. The vehicle will start the charging process automatically.
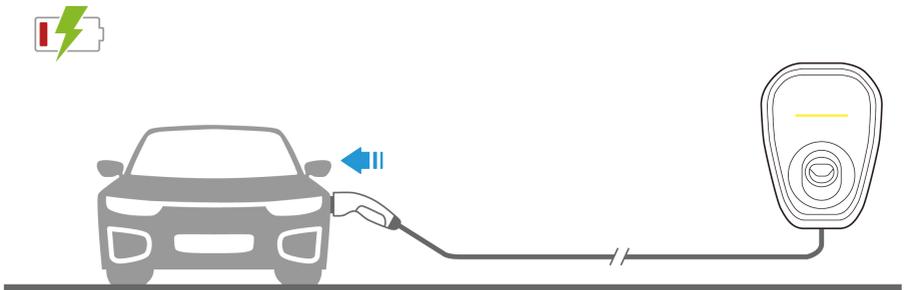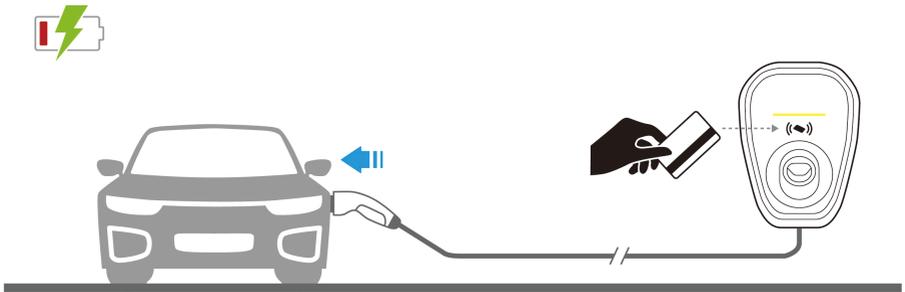
8.2 Terminating the charging process with access control deactivated

1. Stop the charging process on the vehicle.

2. Disconnect the vehicle connector from the vehicle inlet.

3. Insert the vehicle connector back into the vehicle connector inlet on the MINI Wallbox Plus.

8.3 Starting the charging process with access control via RFID card activated

1. Connect the vehicle connector to the vehicle inlet.

2. Hold the RFID card in front of the RFID reader to authorise and start the charging process.

8.4 Terminating the charging process with access control via RFID card activated

1. Stop the charging process at the vehicle via the MINI app or the RFID card.

2. Disconnect the vehicle connector from the vehicle inlet.

3. Insert the vehicle connector back into the vehicle connector inlet on the MINI Wallbox Plus.
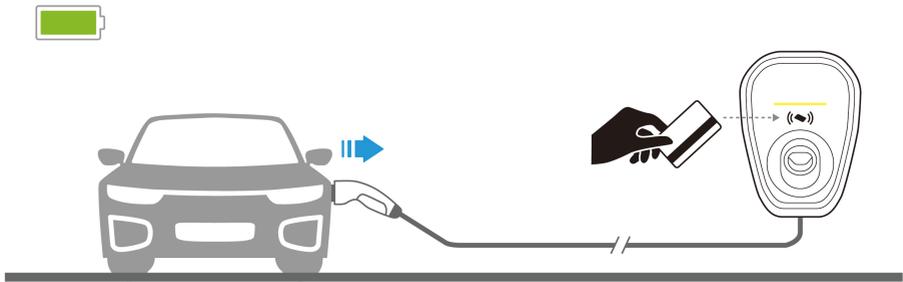
8.5 RFID card registration and registration for access control via automatic vehicle detection (MAC authentication)

The MINI Wallbox Plus uses two different kinds of RFID cards:

- A setup card to notify the Wallbox to switch on/off registration mode
- Charging cards to control the charging process (start/terminate)

For more information on how to charge using the charging card, please refer to Section 8.

In addition, you can also register vehicles for access control via automatic vehicle detection (MAC authentication) at the MINI Wallbox Plus. If you use this automatic authentication method for the vehicle, access control via RFID card is no longer necessary.
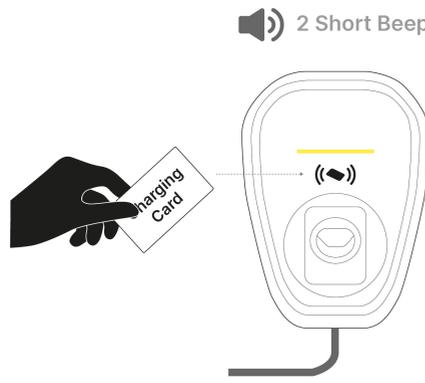
8.5.1 Registering new charging cards

Notice: Additional charging cards must meet the "MIFARE" standard.
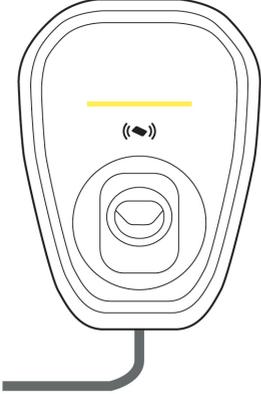
	1. The MINI Wallbox Plus must be switched on. Do NOT connect the charging cable to the vehicle. The LED bar should display a steady blue light.
🔊 1 Short Beep	2. Hold the setup card in front of the RFID reader to start the registration mode for new charging cards. The start of the process is confirmed by a short beep.

2 Short Beep	3. Hold the new card in front of the RFID reader to register it at the MINI Wallbox Plus. Registration is confirmed by two short beeps. Repeat this process with any other RFID cards that you want to add.
1 long Beep	4. Hold the setup card in front of the RFID reader to end the registration mode. The end of the process is confirmed by a long beep.
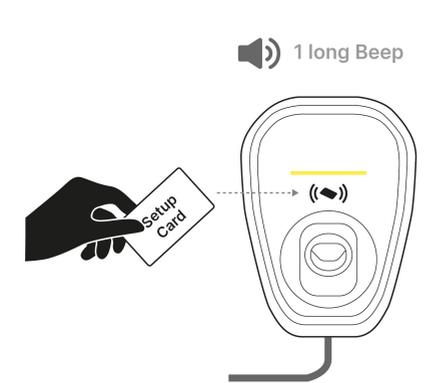
The MINI Wallbox Plus is supplied with a preregistered setup card which can be used to register new charging cards. A new setup card can be registered via the Wallbox Installation App (see Section 6).

8.5.2 Registering new vehicles for access control via automatic vehicle detection (MAC authentication)

	1. The MINI Wallbox Plus must be switched on. Do NOT connect the charging cable to the vehicle. The LED bar should display a steady blue light.
1 Short Beep	2. Hold the setup card in front of the RFID reader to start the registration mode for new vehicles. The process is confirmed by a short beep.

2 Short Beep	3. Connect the vehicle connector to the vehicle inlet to register the vehicle at the MINI Wallbox Plus. Registration is confirmed by two short acoustic signals. Repeat this process with any other vehicles that you want to add.
1 long Beep	4. Hold the setup card in front of the RFID reader to end the registration mode. The process is confirmed by a long beep.
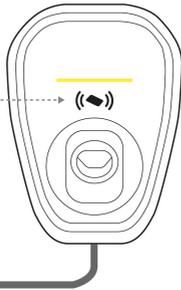
8.6 Optional – MINI Connected Home Charging Services

Only available for selected markets

These instructions include all currently offered systems and functions. For this reason, they also describe systems and functions which may not be available due to specific market conditions or the specific installation and configuration at your location.

From the moment of activation, the service is included for a market-specific term. To ensure continued convenience and seamless usage of the service beyond this initial period, it is necessary to extend the service via the MINI Connected Drive Store.

Requirements: The MINI Connected Home Charging Services can only be used with MINI xEV, a MINI ID account and the MINI app. In addition, the installation of a smart energy module is required. This is already included in the MINI Connected Home Charging Package or can be retrofitted separately when purchasing a MINI Wallbox Plus. By monitoring and communicating the current power consumption, the smart energy module enables the holistic optimisation of energy use. For a current list of supported smart energy modules, refer to Section 5.1. ◀

8.6.1 Load-optimised charging

Optimizing the charging power of the MINI Wallbox Plus while taking the household load into account, ensures that the total available load at the mains connection point is not exceeded. Dynamic control of load distribution is particularly important in regions with low local grid point capacities.

Load-optimised charging is activated once during installation or configuration and then remains permanently in place as a safety function.
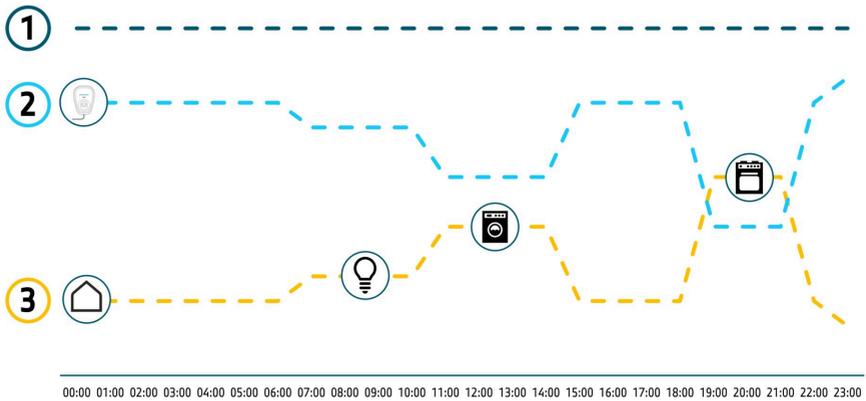
Electrical loads in the household which may typically be added during the day, such as illumination or devices used for washing and cooking, limit the available charging power. The curve of the MINI Wallbox Plus charging power dynamically adjusts to the remaining consumption in the house, thus preventing an overload at the mains connection point.

8.6.2 Solar-optimised charging

By adjusting the charging speed, the electricity drawn from the grid is minimised and the local self-consumption of the photovoltaic system is maximized. This reduces charging costs and increases the degree of self-sufficiency.
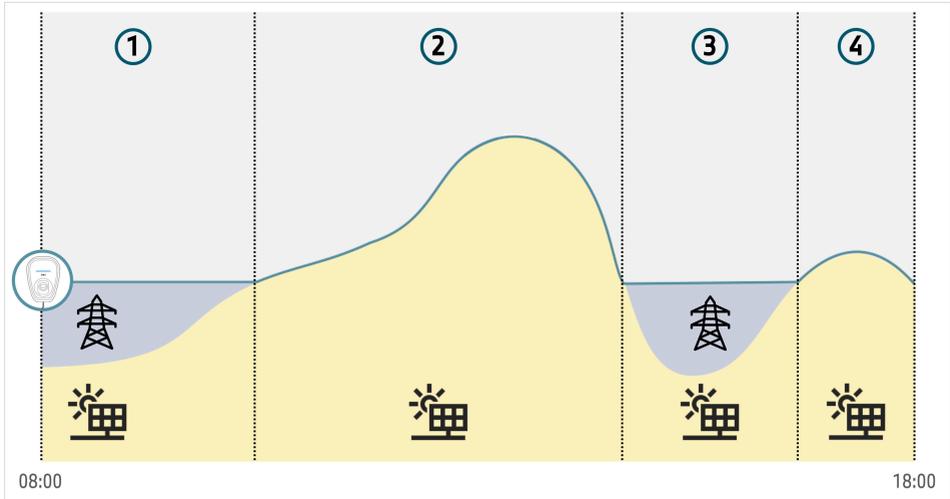
On an exemplary day there are periods with more and less available solar power, resulting in a combined charging power for the MINI Wallbox Plus (illustrated by the blue line). If sufficient solar power is available, as illustrated in periods 2 and 4, charging is exclusively performed with electricity from the photovoltaic system. The maximum charging power is defined by the total available power. If solar power is not sufficiently available, as illustrated in periods 1 and 3, charging is performed using a combination of solar power and grid electricity. To minimize the amount of electricity drawn from the grid, the charging power is intentionally limited during these periods.

With the introduction of the MINI Connected Home Charging Services, the range of functions of the MINI app were also extended. The app also enables remote management of the Connected Home Charging Services and the MINI Wallbox Plus. Furthermore, you can take a look at and manage the charging status which informs you, for example, about the current state of charge, the charging history and charging statistics.

9 Status LED information

LED display	Status
Yellow, flashing from left to right	MINI Wallbox Plus initialisation in progress. Use of the MINI Wallbox Plus is temporarily suspended.
Yellow	Vehicle is not connected, standby.
Yellow, flashing slowly	Vehicle is charging.
Red	Error
Yellow (S1/S2/S3), red (S4)	Communication module is damaged or defective during standby. (The control pilot is in state A1, A2, B1, B2 or C1)
Yellow (S1/S2/S3) pulsing, red (S4)	Communication module is damaged or defective during the charging process. (The control pilot is in state C2)
Yellow (S1/S2/S3) flashing from left to right, red (S4)	Communication module is damaged or defective during the firmware update.

10 Maintenance

10.1 Troubleshooting

Situation	Action
LED display has no power supply.	1. No supply voltage – check the RCCB and circuit breaker and switch them on if necessary. 2. MINI Wallbox Plus error – contact your local dealership.
The charging process is not started.	1. The vehicle connector has not been inserted correctly – remove the vehicle connector and reconnect it. 2. The vehicle has been programmed to start the charging process at a later time. 3. The vehicle does not require any power – check the vehicle status. 4. The app connection is not working correctly – follow the instructions in the manual.
The vehicle connector cannot be disconnected.	The charging process has not been terminated by the vehicle.
LED display lit in red.	1. Check the possible causes of the error in the Wallbox Installation App. 2. Switch off the supply voltage to the MINI Wallbox Plus using the corresponding mains isolation device. 3. Disconnect the vehicle connector and switch on the supply voltage again. 4. If the situation persists, contact your local dealership or support.

11 Technical data

Electrical data

Vehicle connector	Type 2 plug
Input/output values	380–415 V~, 32 A, 50/60 Hz, three phases 110–240 V~, 32 A, 50/60 Hz, single phase
Input wiring	PE, L1, L2, L3, N
Earthing system	TN / IT / TT
Rated current (adjustable rated current via Wallbox Installation App)	0 A, 6 A, 10 A, 12 A, 16 A, 20 A, 24 A, 32 A
Cable length	6 m
Cable feed	Surface-mounted
Minimum connection cross-section	3 x 6 mm²
Internal residual current detection	Alternating current: 15~30 mA DC: 3~6 mA
Protection against electric shock	Class I
Ingress protection (indoor and outdoor areas)	IP65
Dimensions (W x H x D)	270 x 370 x 185 mm
Weight	6.5 kg
Electrical protection	Overload current, short circuit, overvoltage, undervoltage, ground fault, overheat protection and overvoltage protection, relay welding protection
Encryption	Encryption technology: PSK2/CCMP/SAE Encryption protocol: WPA2/WPA3 Encryption algorithm: AES

Interfaces

Display	LED bar display
Communication	Bluetooth, RFID, Ethernet, ISO 15118, OCPP, 4G, Wi-Fi

Ambient conditions

Operating temperature	-40 °C ~ +50 °C
Temperature properties	This is not safety equipment; it is only an operating function. The specified operating temperature range must not be exceeded. The device supplies the charging current continuously within the specified operating temperature ranges. If overheat protection is activated, the EVSE stops the charging process. The charging process will continue automatically after EVSE cooling.
Storage temperature	-40 °C to +80 °C
Humidity	95 % relative humidity, non-condensing
Altitude	3000 m
Cooling	Natural cooling
Impact protection	IK09
Overvoltage category	OVC III
Cold load pick-up	Randomised delay between 1 and 120 seconds before the charging process is restarted after a power outage

The available charging capacity depends on the vehicle, infrastructure and general settings. ◀

Extension cables must not be used. ◀

12 Disposal

After it has been decommissioned correctly, have the device disposed of by the Service Department in compliance with current waste disposal regulations.
Electrical and electronic devices including accessories must be disposed of separately from general household waste. Information about this is provided on the product, in the instructions for use or on the packaging.
The materials may be recycled as shown by the symbols. You can make a major contribution to protecting our environment by reusing or recycling the material or other forms of recycling end-of-life devices.

13 Country-specific requirements

For Brazil

"Este produto está homologado pela ANATEL, de acordo

com os procedimentos regulamentados pela Resolução

n° 680, e atende aos requisitos técnicos aplicados"

Para maiores informações, consulte o site da ANATEL

www.anatel.gov.br

HHHHH-AA-FFFFF

Este equipamento não tem direito à proteção

contra interferência prejudicial e não pode causar

interferência em sistemas devidamente autorizados.

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados. Para maiores informações, consulte o site da ANATEL – www.anatel.gov.br

Incorpora produto homologado pela ANATEL sob número 01979-21-05015, 19085-21-02725.

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For Brazil

Informações sobre cibersegurança

Coleta de dados e atualização do Seciruty:
Os dados pessoais serão coletados, utilizados e armazenados, sejam sensíveis ou não. Este produto garante que as atualizações de segurança serão fornecidas por 2 anos após o lançamento do produto ou por dois anos quando o dispositivo for distribuído para o mercado consumidor.

Canal de comunicação
Verifique aqui https://www.deltaww.com/en-US/Cybersecurity_Advisory relatar vulnerabilidades de segurança identificadas em produtos. Aqui podem encontrar informações abaixo:

a) Informar sobre novas vulnerabilidades identificadas em seus produtos, medidas de mitigação e patches deseguraça associados.
b) Mantenha um histórico de: vulnerabilidades identificadas, medidas de mitigação e patches de segurança.
c) Permitir o acesso a patches de segurança e/ou novas versões de software/firmware para seus produtos.
d) Fornecer manuais e outros materiais com orientações quanto à configuração, atualização e uso segurodos equipamentos.

For Ukraine

1. Технічні характеристики радіообладнання:

1.1 GSM-900:

Діапазони   частот, МГц:

передавача: 880,1 - 915,0;

приймача: 925,1 - 960,0;

Потужність передавача, Вт: 2,07;

Класи випромінювання: 200KF7W, 200KG7W;

Тип антени: ненаправлена, інтегрована.

1.2 GSM-1800:

Діапазони   частот, МГц:

передавача: 1710,0 - 1785,0;

приймача: 1805,0 - 1880,0;

Потужність передавача, 0,90;

Класи випромінювання: 200KF7W, 200KG7W;

Тип антени: ненаправлена, інтегрована.

1.3 UMTS Band VIII:

Діапазони   частот, МГц:

передавача: 888,8 - 906,0;

приймача: 933,8 - 951,0;

Потужність передавача, Вт: 0,21;

Класи випромінювання: 5M00G7W, 5M00D7W;

Тип антени: ненаправлена, інтегрована.

1.4 UMTS Band I:

Діапазони   частот, МГц:

передавача: 1920,0 - 1980,0;

приймача: 2110,0 - 2170,0;

Потужність передавача, Вт: 0,22;

Класи випромінювання: 5M00G7W, 5M00D7W;

Тип антени: ненаправлена, інтегрована.

For Ukraine

1.5 LTE-800 (E-UTRA Band 20):

Діапазони   частот, МГц:

передавача: 832,0 - 842,0;

приймача: 791,0 - 801,0;

Потужність передавача, Вт: 0,25;

Класи випромінювання: 5M00G7W, 5M00D7W, 10M0G7W, 10M0D7W;

Тип антени: ненаправлена, інтегрована.

1.6 LTE-900 (E-UTRA Band 8):

Діапазони   частот, МГц:

передавача: 888,8 – 906,0;

приймача: 933,8 – 951,0;

Потужність передавача, Вт: 0,21;

Класи випромінювання: 1M40G7W, 1M40D7W, 3M00G7W, 3M00D7W, 5M00G7W, 5M00D7W, 10M0G7W, 10M0D7W;

Тип антени: ненаправлена, інтегрована.

1.7 LTE-2600 (E-UTRA Band 7):

Діапазони   частот, МГц:

передавача: 2510,0 - 2545,0 ; 2565,0 - 2570,0;

приймача: 2630,0 - 2665,0; 2685,0 - 2690,0;

Потужність передавача, Вт: 0,20;

Класи випромінювання: 5M00G7W, 5M00D7W, 10M0G7W, 10M0D7W, 15M0G7W, 15M0D7W, 20M0G7W, 20M0D7W;

Тип антени: ненаправлена, інтегрована.

1.8 LTE-1800 (E-UTRA Band 3):

Діапазони   частот, МГц:

передавача: 1710,0 - 1785,0;

приймача: 1805,0 - 1880,0;

Потужність передавача, Вт: 0,23;

Класи випромінювання: 1M40G7W, 1M40D7W, 3M00G7W, 3M00D7W, 5M00G7W, 5M00D7W, 10M0G7W, 10M0D7W, 15M0G7W, 15M0D7W, 20M0G7W, 20M0D7W;

Тип антени: ненаправлена, інтегрована.

For Ukraine

1.9 Wi-Fi (IEEE 802.11 a/b/g/n/ac/ax):

Діапазони частот, МГц:

- IEEE 802.11 b/g/n/ax : 2400,0 - 2483,5;

- IEEE 802.11 a/n/ac/ax : 5150,0 - 5350,0; 5470,0 - 5725,0; 5725,0 - 5850,0;

Максимальна вихідна потужність передавача, мВт (дБм):

- IEEE 802.11 b/g/n/ax: 55,21 (17,42);

- IEEE 802.11 a/n/ac/ax: 31,62 (15,30);

Класи випромінювання: 20M0G1W, 20M0D1W 40M0G1W, 40M0D1W, 80M0G1W, 80M0D1W;

Коефіцієнт підсилення, дБі: 2,8 (IEEE 802.11 b/g/n/ax), 4,7 (IEEE 802.11 a/n/ac/ax);

ЕІВП не більше, мВт (дБм): 100 (20) (IEEE 802.11 b/g/n/ax), 200 (23) (IEEE 802.11 a/n/ac/ax);

Тип антени: ненаправлена, інтегрована.

1.10 Bluetooth (IEEE 802.15):

Діапазон частот, МГц: 2400,0 - 2483,5;

Максимальна вихідна потужність передавача, мВт (дБм): 1,32 (1,21);

Класи випромінювання: 2M00FXW;

Коефіцієнт підсилення, дБі: 0,5;

ЕІВП, не більше, мВт (дБм): 100 (20);

Тип антени: ненаправлена, інтегрована.

1.11 Пристрій радіочастотної ідентифікації RFID:

Діапазон частот, МГц: 13,56;

Максимальна напруженість магнітного поля передавача, на відстані 10 м, дБмкА/м: мінус 25,78;

Клас випромінювання: 14K0A1D.

RACCOLTA CARTA

Verifica le disposizioni
del tuo Comune.