



Porsche Mobile Charger Connect

Good to Know – Owner's Manual

06/2023

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Germany

Operating instructions

Keep these operating instructions and hand them over to the new owner when you sell your charger.

Due to different requirements in various countries, the information in the thumb index tabs of this manual will be different. To ensure that you are reading the thumb index tab that applies to your country, compare the article number of the charger shown in the "Technical Data" section with the article number on the identification plate on the charger.

Suggestions

Do you have any questions, suggestions or ideas regarding your vehicle or these instructions?

Please write to us:

Dr. Ing. h.c. F. Porsche AG

Vertrieb Customer Relations

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Equipment

Because Porsche vehicles undergo continuous development, equipment and specifications may not be as illustrated or described in this manual. Items of equipment are sometimes optional or vary depending on the country in which the vehicle is sold.

For information on retrofitting options, please contact an authorized Porsche dealer. Porsche recommends an authorized Porsche dealer as they have trained technicians and the necessary parts and tools.

Owing to the different legal requirements in individual countries, the equipment in your vehicle may vary from that described in this Owner's Manual. If your Porsche is fitted with any equipment not described in this manual, your authorized Porsche dealer will be glad to provide information regarding correct operation and care of the items concerned.

About this Owner's Manual

Warning notes and symbols

Different types of warning notes and symbols are used in this Owner's Manual.



DANGER

Serious injury or death

Failure to observe warning notes in the "Danger" category will result in serious injury or death.



WARNING

Possible serious injury or death

Failure to observe warning notes in the "Warning" category may result in serious injury or death.



CAUTION

Possible moderate or slight injury

Failure to observe warning notes in the "Caution" category may result in moderate or slight injury.

NOTE

Vehicle damage possible

Failure to observe warning notes in the "Notice" category can result in damage to the vehicle.



Information

Additional information is provided under "Information".

- ✓ Prerequisites that must be fulfilled in order to use a function.
- ▶ Instructions that must be followed.

1. Instructions are numbered in cases where a sequence of steps must be followed.

2. Instructions that must be followed on the center display.

▶ Indicates where you can find more information on a topic.

More Information

You can access the comprehensive Owner's Manual at the following web address:

<https://tinyurl.com/porsche-e-help>



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To the Operating instructions

Pictogram explanation

Depending on the country, various pictograms may be attached to the charger.



Operate the charger within a temperature range of -22 °F to 122 °F (-30 °C to +50 °C).



Operate the charger at an altitude of max. 16,400 ft (5,000 m) above sea level.



The charger is equipped with a non-switched protective grounding conductor.



The charger is equipped with a switched protective grounding conductor.



Dispose of the charger in compliance with all applicable disposal regulations.



Do not use extension cables or cable reels.



Do not use any (travel) adapters.



Do not use multiple electrical sockets.



Do not use a charger with damage to electronics or wiring.



Incorrect use may cause electric shock.



Observe the relevant Owner's Manual, in particular the warning and safety instructions.



The surface of the charger can become very hot.



Do not operate the charger in non-grounded power networks (e.g. IT networks). Only operate the charger in grounded power systems.



The charger requires an AC power supply



Designates the type 1 connector with a voltage range ≤ 250 VAC.



Designates the type 2 connector with a voltage range ≤ 480 VAC.

Data protection notice

To ensure that your Porsche charging equipment can communicate properly and is always up-to-date, the charging equipment will send the following equipment-specific data to Porsche in encrypted form at regular intervals and process this data there: device ID, brand, generation, device type and software version.

If you would also like to have the option of using other Porsche Connect Services for the charging equipment, you must pair your charging equipment to your Porsche ID account, which is available from the Porsche Connect distributor in selected markets. While using Porsche Connect services, the following personal data and other device-specific data required for the provision of the services is sent to Porsche and processed there: customer ID, statistics, charging history information, status, connection status and time stamp for when communication was last established. You will find more detailed information on the general terms and conditions and the privacy policy at www.porsche.com/connect-store.

The regular transmission of data for your charging equipment can incur additional costs with your Internet supplier. The data you have saved at Porsche can be irrevocably deleted using My Porsche. Some of the Porsche Connect Services for the Porsche charging equipment are not available in all countries due to technical or legal restrictions.

Further information

Further information on the charger and the web application is available in the "E-Performance" area at <https://www.porsche.com>.

Safety

Safety instructions

⚠ DANGER

Electric shock, short circuit, fire, explosion

Use of a damaged or incorrect charger and a damaged or incorrect electrical socket, improper use of the charger or failure to observe the safety instructions can cause short circuits, electric shocks, explosions, fires or burns.

- ▶ Only use accessories, e.g. supply and vehicle cables, that have been approved and supplied by Porsche.
- ▶ Do not use a damaged and/or soiled charger. Check the cable and plug connection for damage and soiling before use.
- ▶ Only connect the charger to properly installed and undamaged electrical sockets and fault-free electrical installations.
- ▶ Do not use extension cables, cable reels, multiple sockets or (travel) adapters.
- ▶ Disconnect the charger from the power grid during thunderstorms.
- ▶ Do not modify or repair any of the electrical components.
- ▶ Only get experts to correct faults and carry out repairs on the charger.

⚠ DANGER

Stromschlag, Brand

Nicht fachgerecht installierte Steckdosen können beim Laden der Hochvoltbatterie über den Fahrzeugladeanschluss zu Stromschlag oder Brand führen.

- ▶ Überprüfung der Spannungsversorgung, Montage und Erstinbetriebnahme der Steckdose für das Ladegerät dürfen nur von einer qualifizierten Elektrofachkraft durchgeführt werden. Sie ist dabei für das Einhalten der bestehenden Normen und Vorschriften vollständig verantwortlich. Porsche empfiehlt, einen zertifizierten Porsche Service-Partner zu beauftragen.
- ▶ The charger should only be operated in properly earthed power supply systems. Operation in nonearthed systems (e. g. IT networks) is not possible.
- ▶ Den Leitungsquerschnitt der Zuleitung zur Steckdose unter Berücksichtigung der Leitungslänge und der lokal geltenden Vorschriften und Normen festlegen.
- ▶ To ensure uninterrupted charging, we recommend that that you only use electrical sockets that are connected via a separately fused electric circuit for charging.
- ▶ Das Ladegerät ist für den Einsatz im privaten und halböffentlichen Bereich vorgesehen, z. B. Privatgrundstücke oder Firmenparkplätze. Ländereabhängig, z. B. in Italien und Neuseeland, ist Laden nach Mode 2 im öffentlichen Bereich und öffentlichen Raum **verboten**.

Informieren Sie sich bei Ihrem Porsche Partner oder bei Ihrem lokalen Stromversorger.

- ▶ Beim unbeaufsichtigten Laden dürfen unbefugte Personen (z. B. spielende Kinder) oder Tiere keinen Zugang zum Ladegerät und Fahrzeug haben.
- ▶ Die Sicherheitshinweise in der Installationsanleitung sowie der Fahrzeuganleitung beachten.

⚠ DANGER

Electric shock, fire

Incorrect handling of the plug contacts can lead to electric shock or fire.

- ▶ Do not touch the contacts on the vehicle charge port and charger.
- ▶ Do not insert any objects into the vehicle charge port or charger.
- ▶ Protect electrical sockets and plug connections against moisture, water and other liquids.

⚠ WARNING

Flammable or explosive vapors

Components of the charger can cause sparks and ignite flammable or explosive vapors.

- ▶ To reduce the risk of explosion, –particularly in garages–, make sure that the control unit is located at least 19.7 in. (50 cm) above the floor during charging.
- ▶ Do not install the charger in potentially explosive areas.



NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the wall-charger does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving radio or television antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules. To comply with FCC RF exposure compliance requirements, the device must be installed to provide a separation distance of at least 20 cm from all persons.

NOTE

Ce dispositif a été testé et déclaré conforme aux limites des appareils numériques de la classe B, selon la section 15 des règlements de la Commission fédérale des télécommunications américaine (FCC).

Ces limites sont conçues pour assurer une protection raisonnable contre un brouillage préjudiciable lorsque l'appareil est utilisé dans un milieu résidentiel. Ce dispositif génère, utilise et peut diffuser de l'énergie sur les fréquences radio et, s'il n'est pas installé et employé conformément aux directives, il peut brouiller les communications radio. Toutefois, rien ne garantit que des brouillages ne surviendront pas pour des installations particulières. Si ce dispositif brouille les signaux radio ou de télévision, ce qui peut être déterminé en éteignant et en rallumant le dispositif, l'utilisateur devrait tenter de corriger le brouillage par un ou plusieurs des moyens suivants:

- Réorienter ou relocaliser l'antenne de réception.
- Éloigner le dispositif du récepteur.
- Brancher le dispositif dans une prise dont le circuit diffère de celui qui alimente le récepteur.
- Consulter le concessionnaire ou un technicien qualifié dans le domaine de l'audiovisuel pour obtenir de l'aide.

Conformément aux règlements de la Commission fédérale des télécommunications américaine (FCC), toute changement ou modification non expressément approuvée par le fabricant peut annuler l'autorisation accordée à l'utilisateur de faire usage de l'équipement. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. Déclaration d'exposition aux radiations: Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement

non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

To ensure uninterrupted charging with the charger, consider the following instructions and recommendations:

- When installing the electrical socket, select an industrial socket with the highest available power (suited to the electrical home installation) and have it installed by a qualified electrician. Porsche recommends commissioning a certified Porsche Service Partner.
- To the extent technically possible and legally permissible, configure the electrical installation so that the maximum rated power of the electrical socket used is permanently available for charging the vehicle.
- Before installation, check whether the additionally required power for charging a vehicle can be provided sustainably with the present home installation. Secure the home installation with an energy management system if necessary.
- In the event of ambiguity or uncertainty regarding the home electrical installation, consult a qualified electrician. Porsche recommends commissioning a certified Porsche Service Partner.
- If the charger is to be used in conjunction with a photovoltaic system, contact a Porsche partner.
- To make the most of the charger's performance and ensure fast charging, use NEMA electrical sockets with the highest possible rated current or industrial sockets in accordance with IEC 60309.
- When charging the high-voltage battery via the household electrical socket/industrial socket, the electrical installation can be loaded to its

Includes

maximum power capacity. Porsche recommends having the electrical installations used for charging checked regularly by a qualified electrician. Ask an electrician which test intervals make sense during your installation. Porsche recommends commissioning a certified Porsche Service Partner.

- To prevent overheating of the electrical installation, the charging current for household cables is automatically limited on delivery. Have the charger commissioned by a qualified electrician and set the charging current limit suited to the home installation.
 - Refer to chapter "Charging current limitation" on page 20.

Grounding Instructions

The charger must be grounded.

In the event of a malfunction or failure, grounding provides a path with the lowest electrical resistance to reduce the risk of electric shock.

The charger is cabled with a grounding conductor and a suitable power plug. The power plug must be plugged into a suitable electrical socket that has been installed and grounded in accordance with local regulations and ordinances.

⚠ WARNING

Electric shock, short circuit

Improper connection of the equipment-grounding conductor is able to result in a risk of electric shock.

- ▶ Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded.
- ▶ Do not modify the plug provided with the product - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

Intended use

Charger with integrated control and protection system for charging mode 2 for vehicles with high-voltage battery that comply with the generally applicable standards and directives for electric vehicles.

- ▶ Depending on the regional power grid, use the appropriate device version.
 - Refer to chapter "Technical data" on page 33.

The charger may only be used as a combination of power cable, control unit and vehicle cable.

It is suitable for outdoor use.

Includes

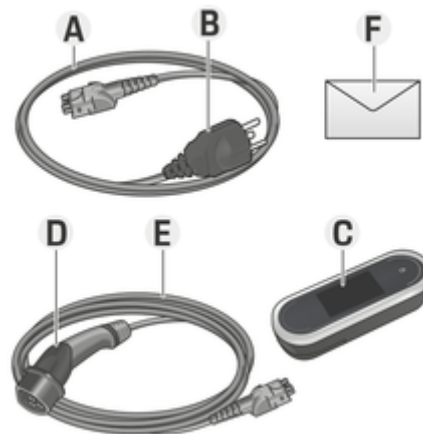


Fig. 1: Includes

- A** Power cable (replaceable at operator control unit)
- B** Power plug for connection to the power grid
- C** Control unit
- D** Vehicle charging plug (connector plug for the vehicle)
- E** Vehicle cable (country-specific: either replaceable or fixed to the operator control unit)
- F** Access data letter

i Information

Optional components: Depending on country, various charger wall mounts are available, e.g. the standard wall mount or the charging dock.

Access data

With your device, you will receive an access data letter containing all the Web Application necessary data for the charger.

- ▶ Keep the access data letter.

Information

The access data valid at the time of delivery, such as the preset PIN and the initial password, can be requested from the Porsche partner in the event of loss.

- To do this, have the serial number of the charger ready.
 - ▶ Refer to chapter “Charger serial number” on page 7.

The access data sheet contains the following data:

Designation	Meaning
Serial Number	Charger serial number
Wi-Fi MAC	MAC address WiFi interface
GRID MAC	MAC address of house PLC interface
Vehicle MAC	MAC address vehicle PLC interface
SSID Wi-Fi	<ul style="list-style-type: none"> – SSID WiFi access point – Host name
Wi-Fi PSK	Network key

Designation	Meaning
Password Home user	Initial password Web Application home user
Password customer service	Initial password for web application customer service
PIN	Personal identification number
PUK	Personal unlock key

Information

The **host name** consists of the following components: Charger+serial number (example: MobileChargerConnect-1234567)

Information

The security field contains the required access codes (PIN and PUK). The field is printed with a special color that covers these codes. Only after wetting this field under running water does the color fade and allow the codes to become visible.

Do not rub or scratch when wet, as this can damage the codes.

PIN and PUK

PIN and PUK are used to unlock the charger.

- ▶ In case of loss of a user-defined PIN, unlock the charger by entering the PUK and assign a new PIN.
- ▶ If you lose the PUK, please contact your Porsche partner.


Web application Password

The password is used to log in to the Web Application.

If the initial password is used:


- ▶ If the initial password is lost, please contact your Porsche partner.

If a user-defined password is used:

- ▶ If a user-defined password is lost, reset the charger to factory settings and thus reactivate the initial password (**Settings**  ▶ **Factory settings**).

Charger serial number

The serial number of the charger is specified in the following places:

- in the access data letter behind the designation “Serial NumberSerial Number”
- on the type plate (back of the control unit) behind the abbreviation “SNSN”
- on the charger: **Settings**  ▶ **Maintenance** ▶ **device information**
- In the Web Application: **Settings** ▶ **for maintenance** ▶ **information**

Porsche ID

If the charger is linked to your Porsche ID, information on the charger and charging processes in My Porsche and Porsche Connect App can be accessed.

Overview

If the charger will no longer be used, for example, in the event of a sale:

1. Unlink Porsche ID from charger (**Settings** ⚙️ ▶ **User profile**).
2. Reset charger to factory settings (**Settings** ⚙️ ▶ **factory settings**).

Overview

Connections on the control unit

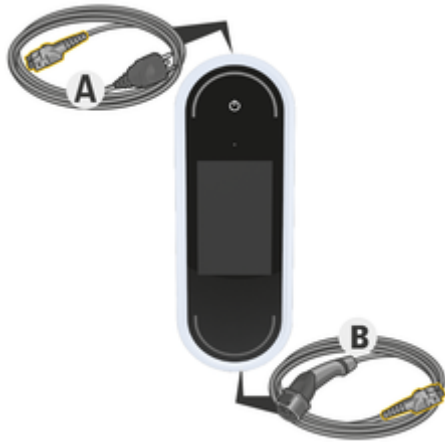


Fig. 2: Connections on the control unit

- A** Supply cable
- B** Vehicle cable

The supply cable **A** is removed and plugged in at the top of the control unit.

The vehicle cable **B** is removed and plugged in at the bottom of the control unit.

Charger control unit

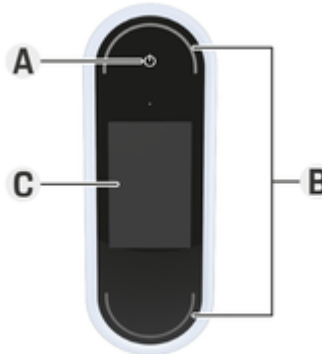


Fig. 3: Control unit

- A** Power button ⏻
- B** Status LEDs ○
- C** Display

The charger can be switched on and off using the Power button **A** (Fig. 3).

The status LEDs **B** (Fig. 3) show the status of the charger.

Communication with the charger takes place via the display **C** (Fig. 3). It shows information and error messages.

Displays and controls on the display

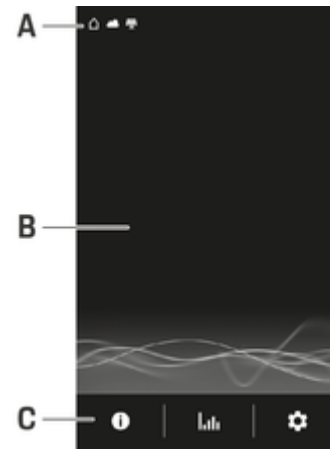









Fig. 4: Charger display

- A** Status bar
- B** Information area
- C** Menu bar

A brightness sensor controls the brightness of the display. The brightness adjusts automatically to the ambient lighting conditions.





Status bar

Various symbols can be displayed in the status bar. The following overview shows the meaning of the status bar symbols.

Symbol	Meaning
	WiFi connection available
	Server connection available
	Software update downloading
	Connection to PLC network available
	Hotspot activated
	A charging profile is activated in the vehicle. This profile is loaded in accordance with the settings.
	Photovoltaic system connected

Menu bar

Various symbols can be displayed in the menu bar. The following overview shows the meaning of the symbols in the menu bar.

Symbol	Meaning
	Display information about the current charging process
	Display charging history
	Making settings
	A software update is available.

Operating options

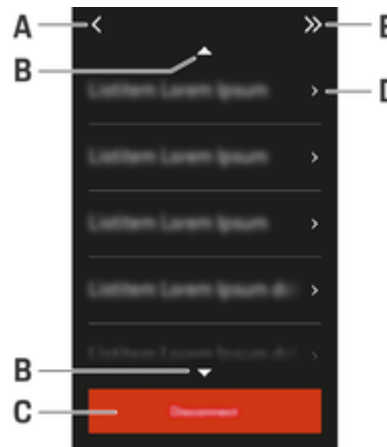


Fig. 5: Operating options

- A** Back
- B** Up/Down
- C** Activity
- D** Details

E Skip

Requirements and prerequisites

Selecting mounting location

⚠ DANGER

Electric shock, fire

Improper use of the charger or non-compliance with the safety instructions can cause short circuits, electric shocks, explosions, fires or burns.

- ▶ Do not install the basic wall mount or the charging dock in potentially explosive areas.
- ▶ Before installing the basic wall mount or charging dock, make sure that there are no electric wires in the area in which the mounting holes are to be drilled.
- ▶ To reduce the risk of explosion, particularly in garages, make sure that the control unit is located at least 19.7 in. (50 cm) above the floor during charging.
- ▶ Observe the locally applicable electrical installation regulations, fire protection measures, accident prevention regulations and escape routes.

The standard wall mount and charging dock are designed for installation indoors or outdoors. The following criteria must be considered when selecting a suitable location:

- As far as possible, install the electrical socket or supply line, the standard wall mount or the charging dock in a covered area protected from direct sunlight and rainfall (e.g. inside a garage).
- Select the distance of the electrical socket from the floor and ceiling, observing national standards and regulations, to ensure comfortable use.

Mounting

- Do not mount the standard wall bracket or charging dock under hanging objects.
- Do not mount the standard wall bracket or charging dock in barns, stables or where ammonia gases occur.
- Mount the standard wall bracket or charging dock on a smooth surface.
- To ensure secure fastening, check the wall condition before mounting.
- Install the standard wall bracket or charging dock as close as possible to the preferred vehicle parking position. Consider the vehicle orientation.
- Mount the standard wall bracket or charging dock so that it is not in the area of walking paths and the power cable does not cross any walking paths.
- Mount the standard wall bracket or charging dock so that the distance of the power plug to the electrical socket does not exceed the available power cable length.

Required tools

- Level
- Drill or hammer drill
- Screwdriver

Mounting

Installing the wall bracket

Mounting standard wall bracket (base)

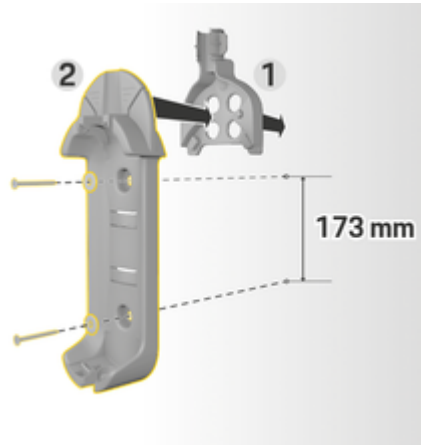


Fig. 6: Drilling dimensions

1. Mark drill holes on the wall.
2. Drill fastening holes and insert anchors.
3. Press standard wall bracket 2 (Fig. 6) into cable guide 1 (Fig. 6) from the front.
4. Screw standard wall bracket onto the wall.

i Information

Install the wall bracket at a height of at least 1 m (3 ft.).

Installing the plug holder



Fig. 7: Distance from wall mount to plug holder

When installing the plug holder, ensure a distance of 7.9 in. (200 mm) from the basic wall mount.

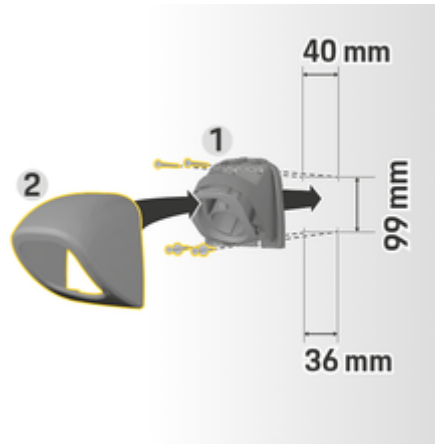


Fig. 8: Drilling dimensions

1. Remove plug holder **1** from the cover (Fig. 8) **2** (Fig. 8).
2. Mark the drill holes on the wall.
3. Drill the mounting holes and insert wall plugs.
4. Screw the plug holder **1** (Fig. 8) to the wall.
5. Fit the cover **2** (Fig. 8) onto the plug holder **1** (Fig. 8) from below and press it upwards.

Inserting the control unit in the wall mount



Fig. 9: Inserting control unit

1. Guide the vehicle cable through the lower opening in the basic wall mount, fit the bottom of the control unit on the locking lug and engage it by pushing it to the rear.
2. Guide the supply cable through the upper opening in the basic wall mount and lock the snap ring by pushing it to the left.
3. Insert the vehicle plug into the plug holder.

Set up

Vehicle charging and supply cables

Information on vehicle charging cables and connectors

Depending on the country equipment, different vehicle charging connectors **A** and vehicle charging connectors **B** are supplied.



Power cable selection

For regular charging with optimal charging speed, use only the following power cables. The maximum available charging power is up to 22 kW (depending on the device type, power grid/home connection and on-board charger). When traveling abroad, always carry the power cable suitable for the respective country.

NOTE

In some countries, only approved supply cables may be used. When driving abroad, always carry the appropriate supply cable for the country you are visiting with you.

The length of the vehicle cable can be 8.2 ft or 24.6 ft (2.5 or 7.5 meter), depending on real conditions. Depending on the country, the total length of the power cable, control unit and vehicle cable is limited, e.g. in Switzerland to 16.4 ft (5 meter), in Israel and the USA to 24.6 ft (7.5 meter¹).

1. Status of printout. Ask your Porsche partner or your local electricity supplier for more information.

Power cable for industrial sockets



Power cable for household sockets

If an industrial socket is not available, the following power cables can also be used to charge the battery with reduced charging power.

- ▶ Depending on the country, for example in Abu Dhabi, Israel, Singapore and India¹, charging using household sockets is **prohibited**.
- ▶ In Canada, each electrical socket must be rated for charging electric vehicles for at least 20 A.



NEMA 6-50/NEMA 14-50 (additional information)

i Information

This recommendation for use applies only to regions with the NEMA 6-50/NEMA 14-50 standard.

Charging your vehicle may result in high electric currents. For safety reasons, it is mandatory to use only components exclusively approved for this purpose and to have the charging equipment installed professionally.

Porsche recommends home owners only install industrial-quality electrical receptacles and have the installation performed by qualified electricians in accordance with the National Electrical Code or applicable local equivalents.

1. Status of printout. Ask your Porsche partner or your local electricity supplier for more information.

2. for Mexico: 12 A

General safety instructions



Electric shock and fire!

Improper use of the charging equipment and failure to comply with the installation and safety instructions may cause a short circuit, electric shock, explosion, fire or burns.

- ▶ The surface of the charger and associated equipment can become very hot under normal use. This is normal and not an indication of a defect in the charger. Observe the operating instructions provided with the charger, particularly the warnings and safety instructions.
- ▶ Please read the installation instructions in the operating instructions for your charging equipment.
- ▶ Pay particular attention to all the safety and warning instructions provided there.
- ▶ Have the installation carried out by someone with the necessary electrical training and expertise.
- ▶ Pay attention also to the regulations on electrical installations in your country.

Requirements for the power outlet



Unsuitable power outlets

Caution

If the electrical receptacles/outlets are not of sufficient quality, higher temperatures can occur in the receptacle when charging the vehicle using the supplied charging hardware (e.g. Porsche Mobile Charger). This can result in thermal damage to the receptacle and associated wiring. Low quality NEMA receptacle use or improper installation are not an indication of a defect in the vehicle or Porsche charging hardware.

An unsuitable power outlet may cause a short circuit, electric shock, explosion, fire or burns.

- ▶ Use only a power socket type suitable for this installation (see **Suitable power outlet/power plug types**).
- ▶ Only use power outlets that meet the requirements for the quality of the contact areas and clamping (see **Requirements for the quality of the power outlets**).
- ▶ The use of ferrules on the supply conductor wiring is recommended to further safeguard the circuit connection at the receptacle.
- ▶ Avoid clamping conductor insulation at circuit connection points.

Suitable power socket/power plug types

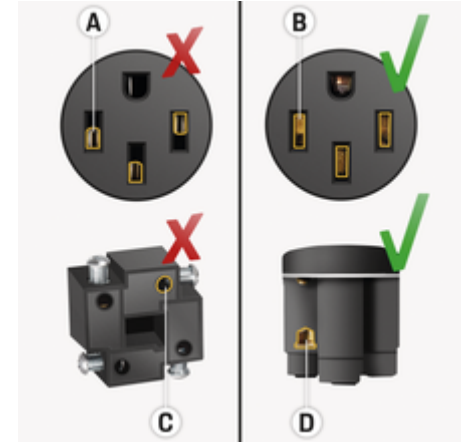


NEMA 6-50
Outlet/Plug



Nema 14-50
Outlet/Plug

Requirements for the quality of the power outlets



- A** Contact area only half the plug contact height
- B** Contact area over the full plug contact height
- C** Minimal contact area between clamping screw and stranded wire
- D** Wide contact area between clamping plate and stranded wire

Receptacles from the supplier Hubbell are recommended for their industrial quality and ability to handle high current for long periods of time.

- ▶ Hubbell HBL9450A = NEMA 14-50 Receptacle (4-prong)
- ▶ Hubbell HBL9367 = NEMA 6-50 Receptacle (3-prong)

Receptacle terminal screws must be tightened to manufacturer specifications.

The use of ferrules on the supply conductor wiring is recommended to further safeguard the circuit connection at the receptacle.

Requirements for the circuit installation

⚠ DANGER

Unsuitable wiring

Using unsuitable wiring may cause a short circuit, electric shock, explosion, fire or burns.

- ▶ The branch circuit must be protected with a 50A circuit breaker, in accordance with national and local codes and regulations.
- ▶ A 50-amp branch circuit should use a minimum 6 AWG, 90°C-rated copper wire for conductors supplying Porsche charging hardware plugged with a NEMA 14-50 or 6-50 supply cable.

Requirements for outdoor installation

⚠ DANGER

Direct contact with rain

Direct contact with rain when using the charging equipment outdoors may cause a short circuit, electric shock, explosion, fire or burns.

- ▶ Avoid direct contact between the charging equipment and rain.
- ▶ Use a rainproof NEMA 3R housing.

General precautions on (125V) supply cable use

⚠ DANGER

Emergency use only

The domestic (125V) supply cable is provided for emergency use only, and should not be used by customers for daily home charging. When used, it is recommended to limit 125V charging to a maximum of approximately 12 hours. Charge only to a minimum needed get to a nearest High-Power Charger (HPC), DC Charger, or suitable Level 2 charger for recharging.

Changing power and vehicle cables

⚠ DANGER

Electric shock

Risk of serious or fatal injury from electric shock.

- ▶ Before changing the supply cable, always unplug the supply cable from the electrical socket and disconnect the vehicle cable from the vehicle charge port.
- ▶ Only change cables in a dry environment.
- ▶ Use only cables approved by Porsche.

▶ Refer to chapter "Includes" on page 6.

Depending on the country, e.g. in Norway, Italy, Portugal and Spain¹, the power cable may only be replaced by a qualified electrician. Porsche recommends commissioning a certified Porsche Service Partner.



Fig. 10: Operator control unit connections

The power cable **A** is unplugged and plugged in at the top of the operator control unit.

The vehicle cable **B** is unplugged and plugged in at the lower end of the operator control unit

1. Status of printout. Ask your Porsche Partner or your local electricity supplier for more information.

Disconnecting cable

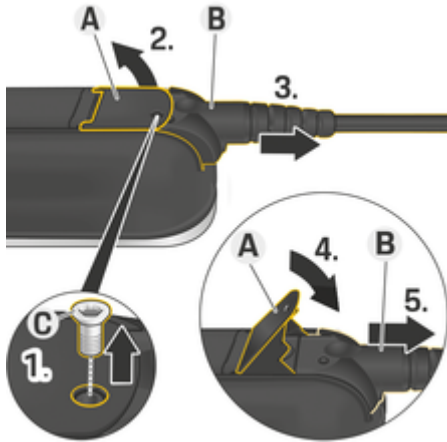


Fig. 11: Disconnecting cable

- ✓ The high-voltage battery charging process is ended and the vehicle plug removed from the vehicle charging port.
- ✓ The power plug is unplugged from the electrical socket.

1. Loosen screw **C** (Fig. 11) using a suitable tool.
2. Raise lever **A** (Fig. 11).
3. Pull out plug **B** (Fig. 11) to the first resistance.
4. Close lever **A** (Fig. 11).
5. Pull out plug **B** (Fig. 11) completely.

Fastening cable

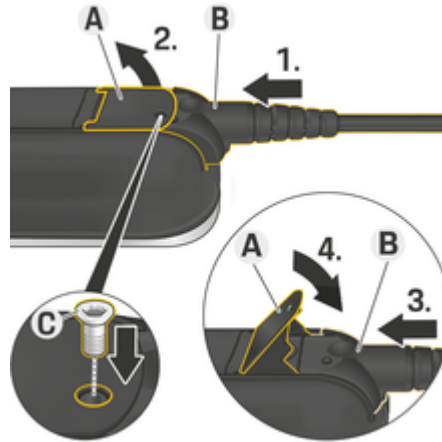


Fig. 12: Fastening cable and fixing plug

- ✓ Lever **A** (Fig. 12) is closed.

1. Push plug **B** (Fig. 12) into the operator control unit until the first resistance.
2. Raise lever **A** (Fig. 12).
3. Insert plug **B** (Fig. 12) completely.
4. Close lever **A** (Fig. 12).
5. Fasten plug **B** (Fig. 12) onto the operator control unit using screw **C** (Fig. 12).

Commissioning and configuration

Getting started

Configure the following settings before using the charger for the first time.

i Information

- Options marked **Skip** can be skipped. A setting is not configured in this case.
- Settings can always be changed on the display (⚙️).

Language and country

1. Select a language from the list. Confirm your selection.
2. Select a country from the list.
3. Confirm the selected language and country.

Data transmission

- ▶ Read and confirm instructions for transmitting data.

Software updates

In order to guarantee the full functionality and reliable operation of the charger, the latest software must always be installed.

- ▶ Select and confirm option for automatic software update.

On The charger checks whether software updates are available and downloads them automatically.

The installation can then be started directly or postponed to a later time.

Off The charger checks whether software updates are available and displays a corresponding message. The download can then be started manually.

Once the download is complete, the installation can then be started directly or postponed to a later time.

If an Internet connection with the charger cannot be established, software updates can also be downloaded manually via the web address in the **E-Performance** area at <https://www.porsche.com> and installed via the web application.

Selecting a Network

Select the option for connecting to a home network. The option can be skipped with **Skip**. Then, no connection is established to a home network. When the charger is connected to an existing home network, advanced functions and information are available. Connection is possible via WiFi or a powerline communication network (PLC network). If no home network is available, a hotspot can be set up on the charger.

Information

Public WiFi networks without password protection are not supported and cannot be used.

Connection via WiFi


1. Select the **WiFi** option.
2. Select the home network from the list of detected WiFi networks.
3. Enter and confirm the password.

Connection via PLC pairing button

1. Select the **PLC pairing button** option.
2. Start the connection setup process on the PLC modem. Confirm by pressing **OK** on the charger.

Once the setup is connected, confirm with **Connect**.


- ➔ The connection to the PLC network is established.

If a connection to the PLC network is established, the  symbol is displayed in the status bar.

Connection via PLC security code

A device on which the control software for the PLC network is installed must be used for this method.

1. To establish a connection to a PLC network using the security code, select **PLC security code**.
 - ➔ The security code appears on the display.
2. Enter the security code in the relevant menu of the control software for the PLC network in order to integrate the charger into the PLC network.
 - ➔ The connection to the PLC network is established.

If a connection to the PLC network is established, the  symbol is displayed in the status bar.

Information

PLC characteristics:

- Separate interfaces to the vehicle and to the infrastructure
- PLC according to IEEE P1901
- Home Plug AV
- Encryption: 128-bit AES
- Frequency band: 2-30 MHz

User profiles (link Porsche ID)

If the charger is linked to your Porsche ID, information on the charger and charging processes can be accessed in My Porsche (web and app).

To link the charger to your Porsche ID:

- ▶ Access the website specified on the charger display in the browser of your device or open the My Porsche app and enter the user code.
 - **or** -
 - Scan the QR code displayed in the charger. The following options are available for scanning the QR code:
 - Use your device's camera (from iOS 11, Android different).
 - Use an app for scanning QR codes.

If the link was successful, the Set-up assistant moves to the next step.

Connect Energy Manager

If an energy manager is available, it is possible to establish a connection to it. The energy manager then assumes control of the charging process.

- ▶ For instructions for connecting, refer to the operating instructions for the energy manager.

If no energy manager is available, the vehicle will be charged at the charging current entered on the charger:


- ▶ **Settings**  ▶ **Adjust charging current**

▶ Refer to chapter "Adjust charging current" on page 17.

Hotspot

If it is not possible to integrate into a home network, the charger can activate a hotspot, thereby establishing a connection to the web application on the charger.

- ▶ To activate a hotspot, click on **Activate hotspot**.

Once a hotspot has been activated, the symbol  will appear in the status bar.

Information

When using Android systems, the connection may have to be confirmed separately in order for a hotspot connection to be established.

Adjust charging current

The maximum permitted charging current for the charger can be set here if there is no energy manager available in the home network.

The displayed maximum value is determined by the types of cable that are connected.

- ▶ Set the charging current to the maximum value available in the power grid used for the charger. Use **Plus** and **Minus** to do this.
- ▶ Refer to chapter "Charging current limitation" on page 20.

Device protection

To prevent an unauthorized vehicle from being connected to the charger, a PIN prompt can be configured.

1. To activate the PIN prompt, select **On**.
2. Enter a 4-digit PIN and confirm.

3. Enter the PIN again and confirm it.
 - ➔ Activation of the PIN prompt is confirmed.

Einrichtung abschließen

- ▶ Anhand der **Summary** die getroffenen Einstellungen prüfen und die Einrichtung abschließen.

Initializing with the web application

Before the charger and the Web Application can be used daily, the charger must first be set up. The end device (PC, tablet or smartphone) and charger must then be connected.

Requirements for initialising in the web application

For initial use of the Web Application, the following information should be available:

- Access data letter for the Porsche Mobile Charger Connect to log in to Web Application the charger
- Access data for your home network
- User profile access data (for linking to the Porsche ID)

The following browsers are supported by the web application:

- Google Chrome from version 57 (recommended)
- Mozilla Firefox from version 52 (recommended)
- Microsoft Internet Explorer from version 11
- Microsoft Edge
- Apple Safari from version 10

Logging into the Charger

Information

The data for logging into the charger is set out in the enclosed letter containing access data. The security field contains the access codes (PIN and PUK). This field has special ink covering these codes.

The codes are only visible when this field is dampened in running water.

Do not rub or scratch the field while dampening it, as the codes could also be damaged.

- ✓ The charger is switched on.
 - ✓ Letter containing access data is to hand.
1. Find the PIN in the letter. To do so, dampen the security field in order to make the PIN legible.
 2. Enter the PIN.

Starting Setup on the Charger

The charger setup is performed with the aid of the setup assistant, which guides the user through the installation in several steps. Setup must be completed so that the charger can be used properly.

- ▶ Read the operating instructions for the Porsche Mobile Charger Connect to learn more about the setup of the charger.

Overview

The Web Application offers more extensive setting options than those on the device.

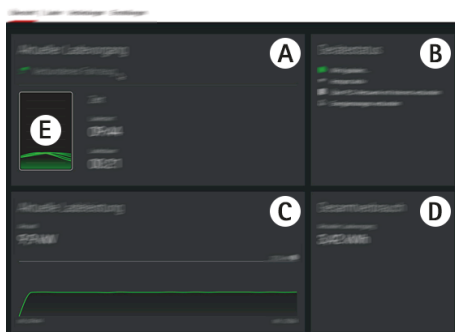


Fig. 13: Overview of the web application

A Current charging session

Shows information on the current charging session, such as the start time and the duration of the charging session.

B Device status

Displays information on the device, for example:

- the current charge status
- the network connection used
- the connection status to the energy manager (if present)
- the availability of a software update
- the deactivation of ground monitoring

C Current charging capacity

The current flow of electrical power [in kilowatt] from the charger to the load.

Curve progression: The curve shown depicts the temporal progress of the charging power from the start of charging as well as the total energy consumption [in kilowatt].

In the curve, select a time in order to view the charging power at this point in time.

D Consumption

The total energy consumption for the current charging session [in kilowatt hours].

E Charge status

The color used in the overview indicates the charge status of the device:

- Red: Error message
- Blue: Charging paused
- Green: Vehicle is charging
- White: No vehicle is connected to the charger

Operating Operating instructions

In some countries, the relevant authorities must be notified when you connect electric vehicle charging equipment.

- ▶ Check obligation to notify the authorities and legal requirements for operation before connecting charging equipment.

NOTE

Damage to the charger

- ▶ Always place the charger on a solid surface when charging.
- ▶ Porsche recommends that you use the charger in the basic wall mount or in the charging dock. In some countries, e.g. Switzerland ¹, the charger may only be used in the basic wall mount or in the charging dock.
- ▶ Do not immerse the charger in water.
- ▶ Protect the charger from snow and ice.

- ▶ Handle the charger with care and protect it from potential damage from being driven over, dropped, pulled, bent or crushed.
- ▶ Do not open the charger housing.

NOTE

Damage to the charger

The charger must only be operated within a temperature range from -22 °F to +122 °F (-30 °C to +50 °C).

- ▶ To prevent overheating during operation, avoid continuous exposure of the charger to direct sunlight. If the charger overheats, charging will be interrupted automatically until the temperature has returned to the normal range.
- ▶ If the charger is too hot or too cold, let it return slowly to the operating temperature range and do not actively cool it down or heat it, e.g. by cooling it down with cold water or heating it with a hairdryer.

1. Time of printing: Further information is available from your authorized Porsche dealer.

Charging

Notes on charging

Vehicle charge port

For information on connecting and disconnecting the vehicle cable to and from the vehicle charge port and for the charging and connection status at the vehicle charge port:

▷ See Owner's Manual.



DANGER

Electric shock, fire

Risk of serious or fatal injury due to fire or electric shock.

- ▶ Always observe the specified sequence for the charging process.
- ▶ Do not disconnect the vehicle cable from the vehicle charge port during the charging process.
- ▶ End the charging process before disconnecting the vehicle cable from the vehicle charge port.
- ▶ Do not disconnect the charger from the electrical socket during the charging process.

Errors are shown on the display and are indicated by red status LEDs. The error message, the cause and a remedial measure will be displayed.

- ▶ Refer to chapter "Malfunctions" on page 29.

Charging times

The charging duration can vary depending on the following factors:

- Electrical socket used (domestic electrical outlet or industrial electrical outlet)
- Country-specific power grid voltage and current

- Settings for limiting the charging current on the charger
- Fluctuations in the grid voltage
- Ambient temperature of vehicle and charger. Charging times can be longer at temperatures at the upper and lower extremes of the permitted ambient temperature.
 - ▷ Refer to chapter "Deactivating and activating ground monitoring" on page 20.
- Temperature of the high-voltage battery and control unit
- Passenger compartment precooling/heating activated
- Current-carrying capacity of the power plug and vehicle plug



Information

Due to different national power grid systems, various cable variants are available. This may result in the full charging performance not being available. Further information is available from your authorized Porsche dealer.

Starting, pausing and stopping charging

Starting charging

1. Insert the plug into the electrical socket.
 - ⊙ Power button lights up white.
 - Status LEDs light up white.
 - ➔ The display turns on.
2. Insert the vehicle plug in the vehicle charge port.
 - ⊙ Power button lights up white.
 - Status LEDs pulsate white.

For information on connecting the vehicle cable to the vehicle charge port:

- ▷ See Owner's Manual.
 - ➔ Following a successful self-test and when the connection is established, the status LEDs light up white.
- 3. Charging starts automatically.
 - ⊙ Power button lights up white.
 - Status LEDs pulsate green.
- 4. After a few minutes, the display switches to standby mode.
 - ➔ The vehicle is charging.



Information

- Charging is controlled by the vehicle. The charging process can only be stopped at the vehicle.
- The charge status is shown on the display provided the charger is not in standby mode. The display can be switched on again by pressing the Power button ⊙.
- A high-temperature switch-off feature prevents overheating while charging.

Pausing charging

Charging is controlled by the vehicle and may occasionally be paused, e.g. in order to optimize power consumption.

When charging is paused, this will be indicated on the control unit:

- ⊙ Power button lights up white.
 - Status LEDs flash blue.
- The display turns on.

The vehicle starts charging again automatically. The charging process can be stopped at the vehicle.

Stopping charging

- ✓ Charging was completed successfully.

⏻ Power button lights up white.

○ Status LEDs light up green.

The display switches on and shows information about the completed charging process. After a few minutes, the charger switches to standby mode.

- ▶ Disconnect the vehicle plug from the vehicle charge port.

Charging current limitation

The operator control unit automatically detects the voltage and the available amperage. The charging current limit can be used to set the power at which charging takes place. To prevent overheating of the electrical installation with household cables, the charging current when using household sockets is limited to 50% on delivery.

If the charger is connected to an energy manager, it limits the charging current in accordance with the specifications set in the energy manager. The maximum available charging current can also be reduced by other electrical loads present in the home network, e.g. electric heat or water heater. The charging power must never be set higher than the maximum available power of the circuit used. If in doubt, contact a qualified electrician.

Plug & Charge

With Plug & Charge, the vehicle can be charged using a suitable charging infrastructure in private and public areas, without the need to manually initialize the charging process on the E-charging station or

charger. The charging process is billed automatically on the basis of the contract with the charging provider.

- ✓ Intelligent charging functions on the vehicle enabled.
- ✓ Charging infrastructure suitable for Plug & Charge.
- ✓ Contract with charging provider includes Plug & Charge.

Private Plug & Charge

If Mobile Charger Connect device protection is activated, the charging process can only be started by entering the PIN ▶ Refer to chapter "Device protection" on page 17. This is used to protect against external access.

Vehicle list (register vehicle)

After entering the PIN, you will be asked whether the vehicle should be included Mobile Charger Connect in the vehicle list. With your consent, a one-time pairing of the vehicle with the vehicle is immediately recognized Mobile Charger Connect after plugging in the charging cable and the charging process is enabled. For all subsequent charging processes with this vehicle, entering a PIN is no longer necessary.

Access vehicle list

Several vehicles can be registered on the Mobile Charger Connect. Each vehicle is listed separately in the vehicle list.

- ▶ Select **Settings** ⚙ ▶ **vehicle list**.

Vehicles can be removed again using this list.

Deactivating and activating ground monitoring

⚠ DANGER

Electric shock, short circuit, fire, explosion

Using the charger without active ground monitoring can cause electric shocks, short circuits, fires, explosions or burns.

- ▶ The charger must preferably be operated in grounded power grids.
- ▶ Only deactivate ground monitoring in non-grounded power grids.
- ▶ Activate ground monitoring in grounded power grids.
 - ▶ Refer to chapter "Activating ground monitoring" on page 21.

Deactivating ground monitoring

- ✓ The error message about the interrupted or non-existent ground wire is shown on the display.
- ✓ Ground monitoring has stopped the charging process or is preventing it from starting.
 - ⏻ Power button lights up red.
 - Status LEDs light up red.

An error message is shown on the display.

 1. To deactivate the ground monitoring, acknowledge the error message with **Confirm**.
 2. Press and hold power button ⏻ for 3 seconds.
 3. Acknowledge the deactivation of ground monitoring by pressing **Confirm**.
 - ➡ Ground monitoring remains deactivated for subsequent charging sessions as well.

Activating ground monitoring

If you are operating the charger in a grounded power grid, activate ground monitoring.

1. Open **Ground monitoring** menu (**Settings** ⚙️ ▶ **Ground monitoring**).

2. Activate ground monitoring via **Activate**.

When ground monitoring is active, the menu item **Ground monitoring** does not appear in the **Settings** ⚙️ menu.

Logging into the web application

Information

Mobile Charger Connect can also be logged into and configured via the My Porsche app.

For standard operation of the Web Application, select User **Home user**. User **Customer service** has additional settings and is intended for service purposes for your Porsche Partner.

✓ Access data is available.

1. Select the appropriate user in the **User** field.
2. Enter password (see access data letter).

Information

After 25 minutes of inactivity, the user is automatically logged out of the Web Application.

Opening the Web Application

Information

Mobile Charger Connect can also be configured via the My Porsche app.

Further configuration options and detailed information on previous charging processes can be obtained via a Web Application that is specific to each charger.

Information

- Depending on the browser you are using, the Web Application is not opened immediately, but rather a message indicating the browser's security settings is displayed first.
- Entering the network key when opening the Web Application depends on the device operating system.

▶ For information on the web application, see the instructions at <https://www.porsche.com/international/aboutporsche/e-performance/help-and-contact/>

Opening the web application via hotspot

The web application can be opened in a device (PC, tablet or smartphone) via a hotspot set up by the charger.

To set up a hotspot:

- ▶ Refer to chapter "Hotspot" on page 17.
- ▶ To open the Web Application when the hotspot is active, enter the following IP address in the browser address bar: **192.168.0.1**

Opening the web application via WiFi

The Web Application can be opened in the browser of a device (PC, tablet or smartphone) that is logged into the same home network as the charger.

- Enter the current charger IP address in the browser address bar. The IP address can be found at **Settings** ⚙️ ▶ **Network** ▶ **Network information**.

– or –

Enter the charger's host name in the browser address bar. You will find the host name in the letter containing access data.

Operating the Web Application

Opening the web application

Establishing a Connection to the Charger

If the charger was integrated in your existing home network (WiFi or Powerline Communication) during setup, it is possible to access the web application using the assigned IP address.

For information on establishing network connections

▶ Refer to chapter "Connections" on page 23..

Opening the web application via WiFi

- ✓ The end device and the charger are in the same WiFi network.
- 1. Open the browser.
- 2. In the address bar of the browser: enter the IP address assigned during configuration (under **Settings** ⚙️ ▶ **Networks** ▶ **Network information** on the charger), or the host name of the charger (provided in the letter containing access data).

Opening the web application via Powerline Communication

- ✓ The end device and charger are in the same network via a PLC connection.
- 1. Open the browser.
- 2. In the address bar of the browser: enter the IP address assigned during configuration (under **Settings** ⚙️ ▶ **Networks** ▶ **Network information** on the charger).

Opening the web application via the hotspot

Alternatively, a connection can be established via the hotspot. The charger offers a wireless access point (hotspot), which is protected by a password and requires a manual login. A WiFi-enabled end device can

connect with the hotspot and access the charger's web application. Integration in the home network can take place at any time in the web application.

- ✓ The charger is switched on. The charger opens its WiFi hotspot automatically.
- 1. Tap the network icon or WiFi icon in the info bar on the end device.
- 2. Select WiFi network from the list. The name of the WiFi network corresponds to the SSID in the letter containing access data and is displayed as **ICCPD-#####**.
- 3. Press the Connect button.
- 4. Enter the network key in the field **Security key** (designated in the letter containing access data as **WiFi PSK**).
 - ➔ The connection to the WiFi network is established.

Please note: For the Windows 10 operating system, the PIN entry for the router is requested first. Select the link Connect instead using a network security code and then enter the code.
- 5. Open the browser.
- 6. Enter the following IP address in the browser's address bar. **192.168.0.1**.

Information

When the end device is in a home network, it can no longer access the web application via the IP address of the hotspot (192.168.0.1), but instead only via the automatically generated IP address or the host name of the charger.

- Existing IP address entries:
 - Web Application: **Service** ▶ **Device information**
 - Charger: **Settings** ⚙️ ▶ **Networks** ▶ **Network information**
- Existing host name entries:
 - Letter containing access data
 - Web Application: **Service** ▶ **Device information**

Forwarding to the web application

Information

Depending on which browser you are using, the web application will not open immediately; instead information about the browser's security settings will be displayed first.

1. In the warning message displayed in the browser, select **Advanced**.
2. In the following dialog window, select **Add exception**.
 - ➔ The SSL certificate is confirmed and the web application is opened.

Charging history

In the charging history, the charging processes are listed chronologically. The following information is available for each charging process:

- Time
- Charging time
- Consumption
- Cost (if an energy manager is available)
- Account used (if an account was selected during the active charging process)

Information

More national rules may apply with regard to consumption monitoring for power determination.

The Web Application offers the option to export the charging history as an Excel file.

1. Select **Export charging history**.
2. Navigate to the storage location and save the file.

Information

For each active charging process, the accounts **Work** or are **Personal** available for evaluation purposes. The account can be selected on the charger in the information on the current **charging process** (symbol **i** in the menu bar). The selection is also applied during the next charging process and must be reassigned if necessary.

Connections


In order to access the charger's web application and its information and settings, the end device and the charger must be connected in the domestic network

(via WiFi or PLC connection). The Internet connection of the domestic network enables you to use all the functions of the web application.

If there is no domestic network available at the place of use, your end device (PC, tablet or smartphone) can be used to log in directly to the charger via its WiFi hotspot. However with this there is no Internet connection and only the locally installed functions are available.

Information

When the end device is in a home network, it can no longer access the web application via the IP address of the hotspot (192.168.0.1), but instead only via the automatically generated IP address or the host name of the charger.

- Existing IP address entries:
 - Web Application: **Service** ▶ **Device information**
 - Charger: **Settings**  ▶ **Networks** ▶ **Network information**
- Existing host name entries:
 - Letter containing access data
 - Web Application: **Service** ▶ **Device information**

Information

If during the setup process, the system switches from hotspot mode to a WiFi network connection and back again, a new login is required.

A change to the home network with Powerline Communication is possible without a restart where there is an existing hotspot connection.

Information

In the web application, the hotspot connection should only be deactivated if a connection to a domestic network is possible.

- ▶ Select the desired network connection (hotspot, WiFi, Powerline Communication).

Hotspot

Your end device can connect directly to the charger using its integrated WiFi hotspot.

1. Select the function **Set up hotspot**.
 2. In the settings, enter the network name and the security code of the hotspot.
- ▶ For information on establishing a hotspot connection, ▶ Refer to chapter "Opening the web application" on page 22..

WiFi

Information

If the charger is already connected to the end device via a hotspot, a connection to the WiFi network cannot be established simultaneously. The hotspot must be deactivated first.

1. Activate WiFi.
2. Select the option **Connect to network**.
3. Select the corresponding network from the list and enter the **Security key**. **Different network**: Select when the network should be invisible.

4. Select that the IP address should be automatically assigned (recommended).
 - ➔ The IP address appears as soon as the connection to the network is established.

In the list, the network status is displayed as **Connected**.

Managing WiFi networks

Option	Explanation
Different network	▶ Select when your network is an invisible network.
Manage known networks	▶ Select Delete to remove the saved networks. The charger is thereby always in the relevant network.

Disconnecting the network connection

1. Select the network to which a connection exists.
2. Select **Disconnect** to disconnect the connection to the WiFi network.

Configuring the network connection

1. Select the network to which a connection exists.
2. Select **Configure** to change the settings for the IPv4 address and the DNS server.

Information

For the network connection, a 2.4 GHz frequency band is used. In the event of connection problems, deactivate the 5 GHz frequency band on the network router.

Powerline Communication

As an alternative to WiFi, your charger can be connected to the home network via a PLC connection. The existing power grid is used to establish a local network for data transfer. The charger is registered as a client in the PLC network.

To establish a connection, the charger and the PLC modem can be connected to one another via the pairing button. In this case, the charger is paired automatically with the PLC modem. Another means of establishing a connection is to enter the security code of the charger on the PLC modem.

1. Activate **Powerline Communication (PLC)**.
 2. Adding the charger to the PLC network:
 - **Option 1:** With the pairing button:
 - a. In the web application, select the option **Connect with PLC Push method**. Select **b. Start pairing**.
 - c. Press the pairing button on the PLC modem within 2 minutes to initiate the establishment of a connection.
 - d. Select the **Connect** button to confirm pairing.
 - **Option 2:** By entering the PLC security code:
 - a. Select the option **Establish connection with PLC security key**. The security code is displayed.
 - b. Enter the security code in the settings of your PLC modem.
- ➔ The charger is integrated in the PLC network and a connection is established.

PLC connection to the vehicle

This function is only visible and configurable for the **Customer service** user. With the deactivation of the PLC connection, no further data is transferred via the cable to the vehicle.

This status is required for example during certain measurements.

With data transfer, charging that is based on the charging protocol is enabled by default (high level communication).

Without data transfer, the charging process is based on electrical key values (pulse width modulation).

Adding an energy manager

To ensure the energy manager takes over control of charging, the charger (EEBus device) and energy manager must first be connected to one another. The connection is to be established both in the energy manager's web application and the charger's web application (or directly on the charger if desired).

Establishing a connection to the charger on the energy manager

▶ Connection to the charger is described in the section "Adding an EEBus device" in the web application instructions of the Porsche Home Energy Manager.

Establishing a connection to the energy manager on the charger

✓ The charger and energy manager are in the same network.

1. Navigate to **Connections** ▶ **Energy manager** in the charger's web application.
 - ➔ The energy manager is displayed in the **Available energy managers** list.
2. Select energy manager and expand.

3. Select **Pair devices**.
 - ➔ The connection is checked.
4. In the **Establish connection** dialog box, check the identity of the energy manager again using the identification number (SKI) and then select the option **Connect**.
 - ➔ The energy manager is successfully connected and the status **Energy manager connected** is displayed.

The energy manager settings (e.g. charging current, overload protection and optimized charging, as well as tariff settings) are applied to the charger.

Disconnecting the connection to the energy manager:

1. Navigate to **Connections** ▶ **Energy manager** in the charger's web application.
 - ➔ The connected energy manager is displayed with the status **Energy manager connected**.
2. Select **Disconnect**.
 - ➔ The connection between the energy manager and the charger is disconnected.

Linking user accounts

Information

In order to transfer data to your Porsche ID account, the device must be connected to the Internet.

Information on the charging sessions can also be called up in your Porsche ID account. To do this, however, the charger must be linked to a Porsche ID.

1. Select the **Link user account** button.
 - ➔ The dialog **Link user account** is opened.
2. Depending on whether an Internet connection is available, select the following option (see "Internet connection options").
3. On the website for the Porsche ID account, enter the login data (Porsche ID, password).

Internet connection options

Option	Explanation
To My Porsche	<ul style="list-style-type: none"> ✓ Web application with Internet connection. ▶ You are forwarded directly to your Porsche ID account.
More options	<ul style="list-style-type: none"> ✓ Web application without Internet connection. ▶ Using a mobile end device that has an Internet connection, either scan in the QR code displayed or enter the displayed URL manually in the browser.

Settings System

Demo mode

This setting is only visible for the Customer service user. In demo mode, the functions of the charger can be displayed easily and a charging session simulated. The settings made in demo mode are not applied.

- ✓ **Customer service** user is logged in.
- ▶ Activate function.

With the new login to the web application, demo mode is deactivated again.

Change password

Changes the login password for the web application. The initial password from the letter containing access data is overwritten with the newly selected password.

- ▶ Select **Change** and enter new password.

Set PIN

A PIN request serves to protect your charger and prevents the unauthorized connection of a vehicle to your charger.

1. Activate function.
2. Enter a 4-digit PIN and confirm.
3. Enter the PIN again and confirm it.
 - ➔ Activation of the PIN prompt is confirmed.

Enter this PIN to unlock the charger.

Activating guest PIN

In addition, a guest PIN can be created for another user.

- ▶ The procedure is the same as for assigning a PIN for device protection.

Information

The charger cannot be configured by the guest user.

Regulating power consumption

Activate sleep mode to save electricity. Sleep mode is started as soon as the charging process is completed.

- ▶ Activate the function **Standby mode**.

The device requires some time to leave sleep mode and restore operational readiness.

Information

After a prolonged period of non-use, the charger switches automatically to standby mode. In a first step, the brightness of the device display is reduced; then the device display is switched off. Press the Power button to restart.

Specifying the language and country

Field	Explanation
Language	Selection of the language for the web application.
Country	The country of use. The configuration settings are country-specific. If the specification deviates from the actual place of use, it is possible that some settings will not be available.

Specifying date and time

Field	Explanation
Date and time	<p>With a network connection, the date and time are automatically applied.</p> <p>Time zone: Can be selected manually.</p> <p>Set time: Specify a time, if the network time is not available as a reference.</p>

Units

Select the parameters and units that are to be used for the device.

Device display

This setting determines the brightness of the charger's display.

Charging

Grid status

This setting is only visible for the **Customer service** user. The information on the grid status presented here is automatically detected by the device.

Display	Explanation
Grid phases	Number of supply cable phases.
Cable type	Type of vehicle charging cable. The cable type delivers important information for the maximum charging current setting.
Limited service	<p>The number indicates which sensor's charging power is impaired through overheating:</p> <ul style="list-style-type: none"> – 0: High temperature of microcontroller – 1: High temperature of relay – 2: Internal high temperature – 3: High temperature of infrastructure cable sensor 1 – 4: High temperature of infrastructure cable sensor 2

Ground monitoring



Electric shock, short circuit, fire, explosion

Using the charger without active ground monitoring can cause electric shocks, short circuits, fires, explosions or burns.

- ▶ The charger must preferably be operated in grounded power grids.
- ▶ Only deactivate ground monitoring in non-grounded power grids.
- ▶ Activate ground monitoring in grounded power grids.

For activating and deactivating ground monitoring> Refer to chapter "Deactivating and activating ground monitoring" on page 20.

Adjust charging current

If the charging current to the vehicle is too high, the fuse can be triggered causing the power supply to fail in the supply area of the fuse.

If an energy manager is connected to the charger, the overload protection provides monitoring of the charging current to the charger. If there is no energy manager available in the home network, you must stipulate a maximum current for the charger.

The charging current specified here may not exceed the maximum value of the charging current with which the electrical installation can be loaded.

The following must be observed when specifying the maximum charging current:

- Cable type connected to the charger
- Other loads connected to this wire or fuse

Information about supply cables and their country-specific usage Refer to chapter "Power cable selection" on page 11..

Information

The charging power must never be set higher than the maximum available power of the electrical circuit.

If you are unsure about this, contact a qualified electrician.

Information

If there is a connection to the energy manager, the value stipulated here is overwritten with the settings of the energy manager.

- ✓ Vehicle cable is connected to the charger.
- ▶ In the web application, use the controller to set a minimum and a maximum for the charging current.

Service

Displaying device information

This information pertains to the device, e.g. version number, serial number and host name.

In the event of an error message, this data is required by the Porsche service partner.

Displaying total run time information

Display	Explanation
Total energy consumption	Displays the total energy consumption of this charger for all previous charging processes.

Display	Explanation
Total charging time	Displays the total charging time of this charger for all previous charging processes.

Displaying the event log

This setting is only visible for the **Customer service** user. The event log information displayed refers to error messages that arise during the system test. Active and passive event logs are displayed. In contrast to passive events, active events and faults are currently still ongoing.

- ▶ Select the corresponding protocol to display the error messages and results of the system test.

Installing software updates

By default, the charger checks for software updates and downloads them. This setting stipulates whether the software updates should be installed automatically or manually. **Software version:** Displays the just installed software version.

Information

In order to search for and download software updates, the device must have an Internet connection.

Performing automatically

With this function activated, the charger installs the software update automatically.

- ▶ Select the function **Automatic software updates**.

Performing manually

A message appears in the device status of the overview when a new software version is available.

- ✓ Function **Automatic software updates** is deactivated.
- ▶ Select the **Perform software update** button to start the installation.

Saving settings

Your configuration settings and the data already collected can be saved with the aid of a backup. If needed, e.g. after resetting to factory settings, these settings can be restored from the backup. Backups are created manually in the web application. No passwords or personal data, such as the charging history, are saved in the backup.

Creating a backup

For the manual backup, the data is saved on your end device.

- ✓ The end device and the charger are in the same network.
1. Select **Export**.
 2. Navigate to the memory location.
 3. Save backup file.

Assign password: Enter password.

The password protects your data and must be entered when importing or restoring the backup.

Restore backup

A saved backup file can be imported from the end device to the charger.

- ✓ The end device and the charger are in the same network.
1. Select the **Import** button.
 2. Navigate to the backup file and select this.
 3. Enter the password that was used to save it.

Resetting to factory settings

By activating this function, all personal data and configurations, such as the charging history and network settings are deleted. In addition, all passwords will be set to the initial passwords in the letter containing access data.

- ▶ Activate the function **Reset to factory settings**. To create the backup Refer to chapter "Service" on page 27.

Information

If the settings are reset to the factory status, the setup assistant will provide support with the most important settings for the device the next time it is started.

Charging dock

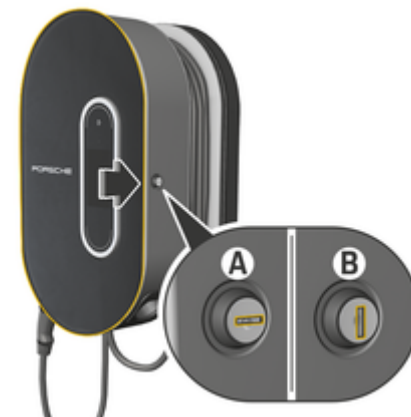


Fig. 14: Charging dock

Opening the Charging Dock

- ▶ Press the door of the Charging Dock in **direction of arrow**. The door opens automatically.

Closing the Charging Dock

- ▶ Close the door of the charging dock and press in the **direction of the arrow**.

Locking the Charging Dock

- ▶ Turn the lock into position **A** (Fig. 14).

Unlocking the Charging Dock

- ▶ Press the lock into position **B** (Fig. 14).

Inserting the control unit in the charging dock and removing it from the charging dock

NOTE

Damage to the charger

- ▶ Always keep the door closed.
- ▶ Do not place objects on the door or on the charging dock.

Inserting the control unit in the charging dock

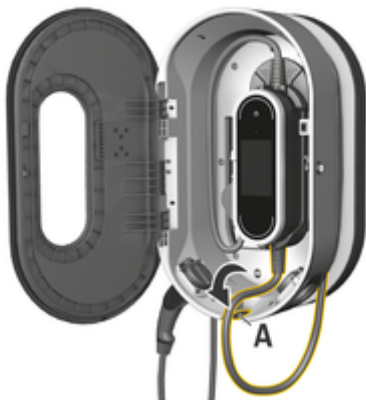


Fig. 15: Inserting control unit

1. Open the door of the charging dock.
2. Position the bottom of the control unit in the locking lugs of the charging dock and engage by pushing it to the rear.

3. Guide the vehicle cable through the opening A (Fig. 15) and wrap any excess cable around the charging dock.
4. Insert the supply cable into the electrical socket.
5. Close the door of the charging dock.

Removing the control unit from the charging dock



Fig. 16: Inserting control unit

1. Open the door of the charging dock.
2. Disconnect the supply cable from the electrical socket.
3. Unwind the vehicle cable fully from the charging dock.
4. Detach the control unit from the mount by pressing the release switch (arrow) and remove.

Malfunctions

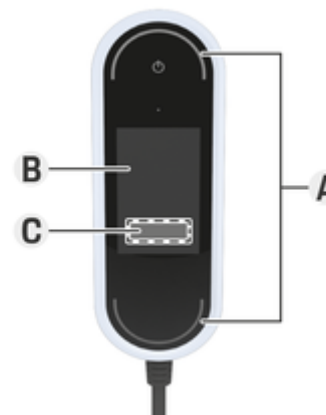


Fig. 17: Operating error display

- A** Status LEDs light up red
- B** Error message and cause
- C** Remedial action

In the event of errors or malfunctions, the charger displays a corresponding message. The status LEDs and the power button light up red. The message contains the error message, information on the cause and corrective action.

- ▶ Follow the instructions in the corrective action.

Transmit diagnostic data

The Porsche Mobile Charger Connect can transmit diagnostic data to the responsible support office in the event of an operating error. Support can use the data to analyze the device and suggest a suitable course of action.

Malfunctions

- ✓ Charger is integrated into the home network
- ✓ Device (smartphone, tablet, notebook) integrated in the home network
- ✓ Porsche access data letter

1. In My Porsche (web or app), under **Settings** ▶ **Networks** ▶ **network information**, find the IP address and enter it in the address bar of the browser.
 – or –
 Enter the charger's host name in the address bar of the browser.

The host name is in the access data letter and consists of the **device name + serial number**, for example **https://iccpd-1234567**.

2. Log in as **Home user** with the password from the access data letter
3. Under **Settings** select **Service** ▶ **Diagnostic data** ▶ **Transfer diagnostic data** and accept message.
 ➔ The responsible support center proposes suitable operating instructions.

NOTE



Damage to the charger

- ▶ If a fault persists or recurs, disconnect the charger from the power grid and contact a qualified electrician. Porsche recommends that you use a certified Porsche service partner.

Recommended actions

The following overview contains recommendations in the event of operational errors that restrict or prevent the vehicle from being charged.

Situation	Recommended action
The display (display, status LEDs, power button) has failed completely.	<ul style="list-style-type: none"> ▶ Disconnect the charger from power supply and replace. ▶ Have the home installation checked by a qualified electrician.
The display shows nothing, the status LEDs are not lit and the power button lights up red.	<ul style="list-style-type: none"> ▶ The charger is overheated. Disconnect charger from power supply and allow it to slowly cool down on its own. ▶ If the error persists, replace the charger.
Restricted operation or charging not possible (notice in display).	<ul style="list-style-type: none"> ▶ Ensure that the power supply and vehicle cables on the correct side are connected to the operator control unit and are correctly plugged in. ▶ Ensure that the charger is within the approved temperature range. ▶ Refer to chapter "Technical data" on page 33. ▶ If necessary, acknowledge any pending error message. ▶ Restart the charger. To restart, press the power button for at least 10 seconds.
The charging current is too low (notice in display).	<ul style="list-style-type: none"> ▶ The home network is overloaded. Switch off other larger electrical loads.
The power supply voltage is too high (notice in display).	<ul style="list-style-type: none"> ▶ Have the home installation checked by a qualified electrician.

Situation	Recommended action
The charger is not within the approved temperature range (notice in display).	<ul style="list-style-type: none"> ▶ Device overheating switch-off: Avoid direct sunlight and allow the charger to slowly cool down on its own. ▶ Undertemperature switch-off: Allow the charger to warm up in a temperature-controlled environment before use. ▶ Device temperature sensor faulty: Replace charger.
The circuit breaker for the home installation has triggered (notice in display).	<ul style="list-style-type: none"> ▶ Reduce the charging current in the charger settings. ▶ If necessary, acknowledge any pending error message.
<p>A charging interruption is displayed:</p> <ul style="list-style-type: none"> ▶  Power button lights up white ▶  Status LEDs flash blue. ▶ The display switches on. 	<ul style="list-style-type: none"> ▶ Wait until the vehicle resumes charging independently. ▶ The charging process can be canceled on the vehicle.

Moving and Storage Instructions

Do not lift, carry and move the charger by the Supply cable, Vehicle cable, Power plug or Vehicle plug.

Always lift, carry and move the whole device. Do not damage the control unit, the cables or plugs when moving, for example by dragging over the floor or sharp edges.

Proper storage: Store in a cool dry place away from direct sunlight: not below -22 °F (-30 °C) or above +122 °F (+50 °C).

Transport

WARNING

Unsecured load

An unsecured, incorrectly secured or incorrectly positioned charger can slip out of place and endanger occupants when braking, accelerating, changing direction or in the event of an accident.

- ▶ Never transport the charger unsecured.
- ▶ Always transport the charger in the luggage compartment, never in the passenger compartment (e.g. on or in front of the seats).

Securing charger during transport

Depending on the vehicle type, the charger is included with or without a transport bag.

- ▶ If a transport bag is included: Always store and transport the charger in the bag. Hook bag to the front and rear tie-down rings.

For information on the tie-down rings in the luggage compartment:

- ▶ Follow vehicle instructions.
- ▶ If no transport bag is included: Store the charger in the rear luggage compartment for transport.
- ▶ Depending on vehicle type, stow the charger in such a way that no occupants can be endangered.

Cleaning and maintenance

Check the charger regularly for damage and dirt and clean if necessary.

DANGER

Electric shock, fire

Risk of serious or fatal injury due to fire or electric shock.

- ▶ Never immerse the charger or plugs in water or spray them directly with water (e.g. high-pressure cleaning equipment or garden hoses).
- ▶ Only clean the charger when the control unit has been fully disconnected from the power grid and from the vehicle. Use a dry cloth for cleaning.

Disposal of the product



Electrical/electronic devices and batteries can be deposited at a collection point or a waste disposal facility.

- ▶ Do not throw electrical/electronic devices or batteries into household waste.
- ▶ Dispose of electrical/electronic devices and batteries in accordance with the applicable environmental regulations.
- ▶ If you have any questions about disposal, please contact a Porsche Partner .

Technical data

Electrical data	MCC96U1 x ¹
Power	9.6 kW
Rated current	40 A
Power supply voltage	120/208-240 V ~, 120 V to ground
Phases	1
Power frequency	50 Hz/60 Hz
Over-voltage category (IEC 60664)	II
Integrated residual-current device	Type A (AC: 20 mA) + DC: 56 mA
Protection class	I
Protection type	IP55 (USA: Enclosure 3R)
Transmission frequency bands	2.4 GHz, 5 GHz
Transmission power	20 dBm
Only for Colombia	
Charging rate	≤ 100%
Power factor	1
Harmonic content	0.5 %

1. The "x" stands for pending design changes and may be any letter.

Technical data

Mechanical data	MCC96U1 x¹
Control unit weight	5.59 lbs. (2.54 kg)
Vehicle cable length	8.2 ft or 24.6 ft (2.5 m or 7.5 m)
Power supply cable length	1 ft (0.3 m)
Mechanical data for standard wall bracket	MCC96U1 x¹
Wall bracket base dimensions	15.2 in x 5.3 in x 2.6 in (385 mm x 135 mm x 65 mm) (length x width x height)
Wall bracket base weight	approx. 1 lb (0.45 kg)
Cable guide dimensions	5 in x 4.5 in x 5.5 in (127 mm x 115 mm x 139 mm) (length x width x height)
Cable routing weight	approx. 1 lb (0.42 kg)
Connector holder dimensions	5.4 in x 2 in x 6.8 in (136 mm x 50 mm x 173 mm) (length x width x height)
Connector holder weight	approx. 0.3 lb (0.14 kg)
Weight of complete wall bracket base	approx. 2 lbs (1 kg)
Mechanical data for charging dock	MCC96U1 x¹
Charging dock dimensions	14.7 in x 25.3 in x 9.1 in (373 mm x 642 mm x 232 mm) (length x width x height)
Charging dock weight	approx. 21.4 lb (9.7 kg)

1. The "x" stands for pending design changes and may be any letter.

Ambient and storage conditions	MCC96U1 x ¹
Ambient temperature	-22° F to 122° F (-30° C to +50° C)
Humidity	5% – 95% non-condensing
Altitude	max. 16,400 ft (5,000 m) above sea level

¹⁾ The "x" stands for pending design changes and may be any letter.

Type plate

Mobile Charger Connect

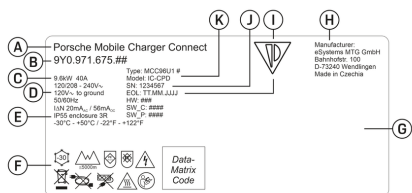


Fig. 18: Type plate (example)

- A** Product name
- B** Article number
- C** Power and rated current
- D** Power supply voltage
- E** Protection type
- F** Operation pictograms
- G** Certification information
- H** Manufacturer
- I** Date of manufacture
- J** Serial number
- K** Type designation

Production information

Date of manufacture

The charger's date of manufacture is found on the type plate behind the abbreviation "EOL".
The following format is used: Production day.Production month.Production year

Manufacturer of the charger

eSystems MTG GmbH
Bahnhofstraße 100
73240 Wendlingen
Germany

Electrical tests

If you have questions about the regular electrical inspection of the charging infrastructure (e.g. VDE 0702) please visit <https://www.porsche.com/international/accessoriesandservice/porscheservice/vehicleinformation/documents/> or contact a Porsche Partner.

Declaration of Conformity

The charger is equipped with a radio system.

The manufacturers of this radio equipment declare that it complies with the specifications for its use in accordance with Directive 2014/53/EU.

The full text of the EU Declaration of Conformity is available at:

▷ <http://www.porsche.com/international/accessoriesandservice/porscheservice/vehicleinformation/documents>

Argentina



IC-CPD: CNC ID: C-24292

Brazil



03725-21-12707

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não

1. The "x" stands for pending design changes and may be any letter.

Technical data

pode causar interferência a sistemas operando em caráter primário". Para maiores informações, consulte o site da ANATEL www.anatel.gov.br

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