Mounting Instruction Status as of 08/2016

P-CHARGE Wallbox Duo

Compact design for wall mounting. (Various areas of application).

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1. Safety information 3

2. Condition on delivery 4
2.1. Scope of delivery 4
2.2. Installation materials 5

3. Preparing for the installation 6
3.1. Removal of packaging 6
3.2. Preparing the Wallbox Duo 6

4. Installing the Wallbox 7
4.1. Mounting the Wallbox rear panel 9
4.2. Mounting the Wallbox housing 11

Mounting Instruction Status as of 08/2016

1. Safety instructions

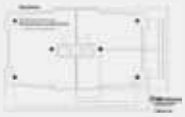
- Please read this entire manual through carefully prior to mounting the Wallbox! The instructions provided in this manual should be observed in detail to ensure correct functioning and operability of the product. Please keep the manual for future reference.
- The connection and commissioning (startup) of the product must comply with the corresponding valid standards.
- The pre-fusing of the power supply cable must be dimensioned to comply with the variant of the product ordered.
- The power supply cable must be dimensioned to comply with the variant ordered and according to the local conditions. Please contact your service partner for exact details.
- All tasks outlined in this instruction must be effected by qualified service-partner personnel only.
- Packaging materials, future redundant parts and devices / parts designated for scrap must be disposed of in compliance with the regional / local standards.
- The manufacturer accepts no liability for problems resulting from non-adherence to these instructions. The Wallbox must not be used to any other purpose than is specified in this manual.
- Please check both packaging and Wallbox for transport damage immediately on delivery. If you take delivery of a damaged device, please contact your supplier immediately. Do not put a damaged part into operation.
- At least two people are required to mount the Wallbox Duo.
- All screws and bolts must be tightened securely as part of the installation procedure.
- The supplied fastening kit can be mounted on masonry and concrete walls. An appropriate, alternative fastening technology must be chosen for mounting to other sub-surfaces.
- The control fuse must be installed only once the mounting work has been completed. Commissioning (startup) of the Wallbox must be effected by qualified personnel only.

2. Condition on delivery

Please first check the physical condition of your delivered product and ensure that it is complete. Please do not throw the package or allow it to fall as this may result in damage to your electronic device.

2.1. SCOPE OF DELIVERY

The following is included in the scope of delivery of your Wallbox Duo:

1x	Wallbox Duo 2x IEC 62196 Type2 Charging socket Mode 3 Charging current 16A (depending on model (may vary)	
6x	Flat head screws M8x100mm Torx TX40	
6x	Wall plugs S12 Ø12mm x 60	
6x	Sealing washers for flat head screws Ø8mm EPDM	
1x	Drilling template for Wallbox Duo 1.1	
1x	Operating instructions	
1x	Mounting instructions	
1x	Circuit diagram	
1x	Box packaging	
1x	Foam insert base plate	
2x	Foam inlay side protection	

2.2. INSTALLATION MATERIALS

We recommend that you use the following tools to ensure a correct and compliant installation.

- Hexagon socket wrench size 4
- Screwdriver with 6-Lobe bit TX40
- Flat-head screwdriver
- Masonry drill Ø10.0mm (depending on wall structure)

Mounting Instruction Status as of 08/2016

Image 1

Image 2

Image 3

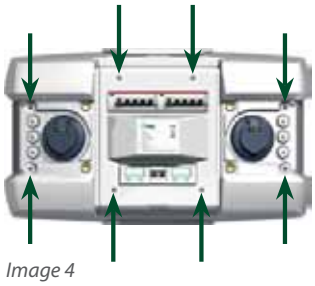


Image 4

3. INSTALLATION PREPARATION

A few preparatory steps must be taken prior to commencing the installation.

3.1. REMOVE PACKAGING

Please do not cut packaging to a depth of more than 2mm when unpacking the product to avoid damage to the surface of the Wallbox.
Remove both protective inlays by pulling them upwards. Lift the Wallbox together with its rear mounting panel out of the box. The mounting panel is neither connected to the base plate nor to the housing. Please do not remove the device simply by its housing as this may result in damage to cabling, particularly to cable strings leading to the charging sockets.

3.2. PREPARATION OF THE WALLBOX DUO

Open the front cover to the Wallbox by turning the key in the lock located on the underside either to the right or to the left (both directions are possible) *(see image 1)*. The push-in cylinder is released outwards from its casing and the system is unlocked. The front cover can now be removed by lifting it upwards.
Now remove the two green charging point hoods. Using both hands, work the bevelled ends on the inner side upwards and fold the hood backwards to remove *(see image 3)*.
You now need to loosen the 8 housing screws using an hexagon socket wrench size 4 *(see image 4)*.
Please keep the 8 screws and their respective washer seals safe as they will be required to close the Wallbox correctly once the installation is complete.
A protective strip of red rubber on the underside of the Wallbox protects the plastic housing from scratch damage during installation. Please do not remove this until the Wallbox has been mounted. The protective strip is not visible on the images.

You can now lift off the housing. A strain relief device to each side connects it with the base plate of the electronic components. The strain relief devices should not be removed. Lift the base plate together with the housing cover away from the Wallbox rear panel. The Wallbox is now lying in 2 parts before you, the plastic Wallbox rear panel and the base plate with the housing.

Mounting Instruction Status as of 08/2016

Image 5

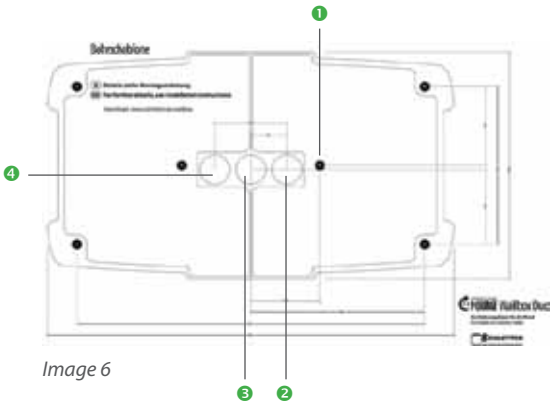


Image 6

❶ 6x drilled holes
❷ Bushing - data cable
❸ Busing - power cable
❹ Controller for customer-installed ventilation system

4. MOUNTING THE WALLBOX

The desired location and position of the Wallbox should be determined prior to installation. Please take the measurements of the Wallbox Duo into account!

Height	335 mm
Breadth	700 mm
Depth	170 mm

We recommend that the charging points be located at a height of approx. 1300mm above ground level *(see image 5)*.

Please be aware of the Wallbox in-wall supply line when positioning the drilling template. The left bushing is for the customer-installed ventilation system, the middle bushing for the voltage supply line to the Wallbox and the right bushing for a data cable to the EWS Box *(see image 6)*.

The Wallbox should be mounted in a position which allows for optimal accessibility by the user. When mounting the Wallbox, please ensure that you take into account the position of the charging sockets on the car and that the charging cables are of appropriate length.

4.1. MOUNTING THE WALLBOX REAR MOUNTING PANEL

1. Position the drilling template horizontally in the desired Wallbox location and secure the drilling template (with tape if necessary) to the wall. Mark the 6 drill holes with a pencil *(see image 6)*.
2. Remove the drilling template and drill holes with a diameter of 10.0mm. Ensure that the holes are drilled to a sufficient depth to receive the wall-plugs.
3. Fit each of the 6 M8x100 flat head screws with a sealing washer. Position the cable bushing openings in such a way as to facilitate the feed-through of your connecting cables *(see image 6)* .

FROM HERE ON, THE WALL-MOUNTING SHOULD BE CARRIED OUT BY TWO PEOPLE!

4. Feed the connecting cables through the rear panel. One person should now hold the rear panel while the second person fits the base plate with the housing onto it. Position the rear panel with its base plate on the prepared wall and insert each of the 6 M8x100 flat head screws into its designated drill hole. The position of the holes in the wall for the flat head screws should correspond to the positions of the holes drilled in the template.
5. Tighten the screws lightly with a 6-Lobe screwdriver TX40.
6. Align the Wallbox Duo and tighten the screws fully.
7. Connect the Wallbox voltage supply cable to the designated main connection terminal at X1. Check that the terminals are secure.

PLEASE NOTE: This task should be performed by qualified personnel only!
The control fuse must be installed only once the mounting work has been completed.
A faulty neutral conductor can cause irrevocable damage to the device.

8. Your data cable can also be connected to the EWS box via ethernet at socket positions X301 or X201 to enable connection with a server / PC. In the same way the customer-installed ventilation can also be connected to the EWS Box at contactor terminal X102.
9. Ensure that the cables are strain-relieved.

4.2. MOUNTING THE WALLBOX HOUSING

The Wallbox is now securely fixed on the wall. Only the housing remains to be fitted. The next steps outline how to do this:

1. Take the housing in both hands and position parallel to the rear panel.
2. Next, push the housing from the front up and over the rear panel. Position the housing carefully to ensure that the slots fit around the respective cable bushings of the electronic components. Take care not to damage the seals on the inner side of the housing when doing so.
3. Lightly tighten the 8 screws *(image 4)* with washers into the pre-bored holes.
4. Align the housing once more and check that the washer seals are correctly positioned for optimum contact.
5. Now tighten the 8 screws fully.
6. Replace the green panels. Hook the bevelled outer edges of the panels into the Wallbox housing and position across the charging sockets. Then push the covers into place.
7. Position the front cover from above onto the Wallbox and push down into the housing.
8. To close the Wallbox completely, push the sliding lock cylinder back into the casing.
9. Remove the red protective rubber strip from the underside of the housing.
10. Your Wallbox is now fully installed and can be used to charge electric vehicles.

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Mounting Instruction Status as of 08/2016

» Further **P-CHARGE** products
and detailed product information can
be found under www.SSL-Energie.de

Mounting of the product and connection to the grid must be carried out exclusively by qualified personnel. The product requires regular maintenance in accordance with the service information included on delivery. We recommend that maintenance of the product be carried out by appropriately trained experts. We accept no liability for damage of any kind not covered by the General Terms and Conditions; particularly for damage caused by vandalism, lightning/overvoltage, nor for consequential costs for automobiles / vehicles nor according to technical connection regulations. In the event of a warranty claim, the company SSL Energie GmbH shall bear the costs required for transport, travel, labour and materials only; excluded are the additional and potentially substantial costs incurred for transfer of the object to a location other than the target site. In the event of a warranty claim, the product must be returned to the company SSL Energie GmbH for fault diagnosis and supplementary performance if required. The General Terms and Conditions of Sale and Supply of SSL Energie GmbH (AGB) shall apply here. These can be referenced on the internet under http://www.SSL-Energie.de. Clause 10 of the AGB is not applicable in this case.

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