



INSTALLATION MANUAL

Supernova

Table of contents

INSTALLATION MANUAL SUPERNOVA	4	Door and Keys Instructions	24
Purpose and Scope of the Document	4	Introduction	24
GETTING STARTED	5	Instructions	25
Datasheet	5	MECHANICAL INSTALLATION	27
Nameplate and Copyright	6	Civil Works	27
Manufacturer Contact and Information	7	Using Wallbox installation-kit	27
Preliminary Considerations	8	Prefabricated concrete foot with Wallbox compatible mounting plate	31
Safety Instructions	9	Chemical anchors in concrete	31
Legal Notice and Liability	9	Placing	32
Limited Warranty	10	ELECTRICAL INSTALLATION	34
Classifications and Ratings	11	Grid Connection	34
Safety Icons	13	FINAL MECHANICAL PREPARATION	39
Inside the Box	14	Final Steps	39
Materials	14		
Required Tools	15		
TRANSPORT AND UNPACKING	16		
Transport	16		
Unpacking	17		
PRODUCT DESCRIPTION AND SITE PREPARATION	20		
External view	20		
Internal view	21		
Site Space Requirements	22		
Cable Reach	23		

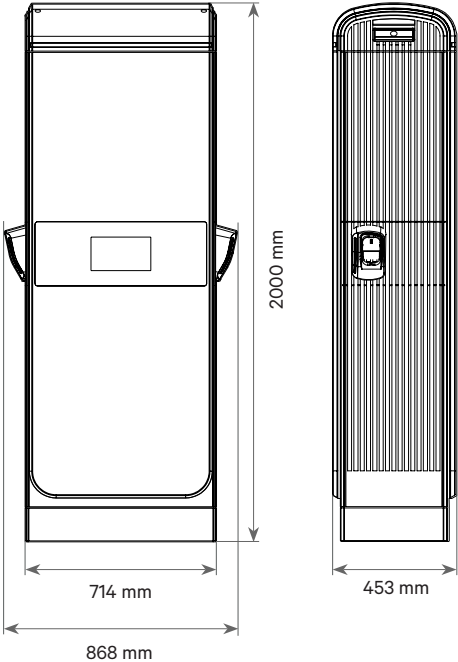
Purpose and Scope of the Document

The purpose and scope of this document is to introduce Supernova fast charging station and to outline the instructions for its correct installation.

The instructions included in this installation guide are for professionals responsible to install, operate and maintain Supernova. Knowing and understanding EV and electrical power is crucial to carry out the installation.

Datasheet

DC Connectors	CCS2, CHAdeMO
Charging Protocol	ISO15118 (including Plug&Charge*) CHAdeMO
Cable Length	3 m, 5 m ^[1]
Connector Protection	Proprietary Locking System
Cable Management	Auto retractable system ^[1]
Output Power	60 kW
Nominal Efficiency	Up to 97%
Power Factor	>0.98
THD	5%
Output Voltage	150-500 V
Output Current	150 A
Supply Input Voltage	400 ± 10%, 50 Hz
Supply Input Current	91 A
Electrical Protections	Grid disconnection, MCB, Surge Arrestor
Power Extension	Connect two 60 kW chargers to deliver up to 120 kW to one vehicle.* ^[1]
Power Balancing	Local static and dynamic load balancing* ^[1]
Power Split	Simultaneous charge of 2 outputs* ^[1]
Environmental Ratings	IP54, IK10, 2000 m altitude
Operating Temperature	-35°C to 50°C
Storage Temperature	-35°C to 70°C
Cooling System	Active air cooling
Operational Noise Level	< 55dBA
Humidity	5% to 95% Non-condensing
Dimension with holster	2000 x 453 x 868 mm
Dimension without holster	2000 x 453 x 714 mm
Weight	250 kg
Accessibility	Wheelchair access appropriate, Environmental light
Branding Options	Artwork Templates
Connectivity	Ethernet, 2G/3G/4G/LTE, Space for external router (DIN rail)
Backend Communication Protocol	OCPP 1.6J
Commissioning Interface	Local (via Ethernet and without extra software) and remote webmanager Schuko 230V
Diagnostics	Auto-diagnostics system
User Interface	10" Anti-vandal Colour Touch Display (sunlight readable), LED status lights
Authentication	App (OCPP) / RFID (MI-FARE ISO/IEC14443A/B, ISO/IEC15693, ISO/IEC18000-3, FeliCa, NFC)
Ad-Hoc Payment	Credit Card Reader* ^[1] , 3-in-1 contactless (including Apple/Android Pay), chip, magnetic, Screen QR code
Metering	AC MID ^[1] , DC Eichrecht (German calibration law)* ^[1]
Charging Compliance	CCS (DIN 70121, ISO15118), IEC 61851-1, IEC 61851-23, IEC 61851-21-2, CHAdeMO 1.2 Certified
Safety Compliance	CE, IEC
EMC Compliance	CE, IEC
Cybersecurity Compliance	LINCE*



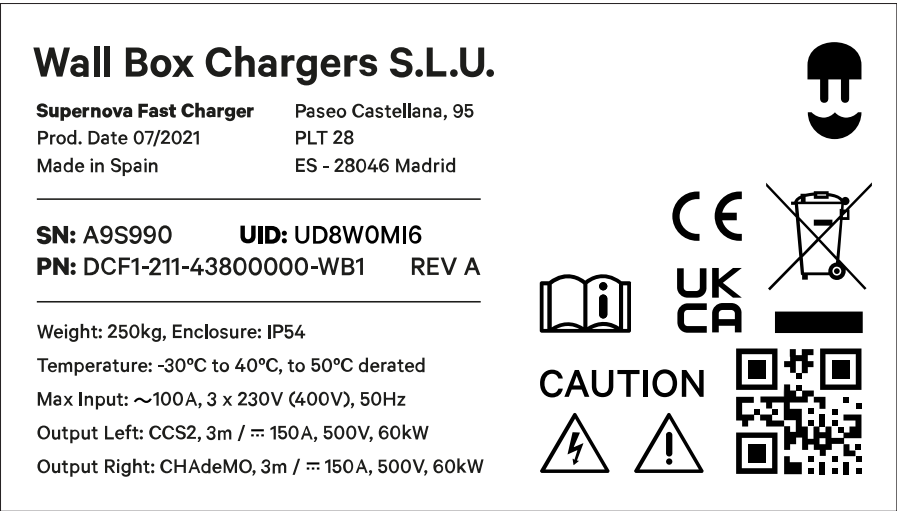
Specifications are subject to change to improve design, function and others.
*Contact your sales representative regarding availability.
[1] Optional.
www.wallbox.com

GETTING STARTED

Nameplate and Copyright

Nameplate

Depending on the configuration of the charging station, a nameplate will be located on the device.



Copyright

All rights to copyright, registered trademarks, and trademarks reside with their respective owners.
Copyright © 2022 WALL BOX CHARGERS, S.L.U.
All rights reserved.

GETTING STARTED

Manufacturer Contact and Information

WALL BOX CHARGERS S.L.U.	
CIF/NIF	B66542903
Registered office	PASEO CASTELLANA, 95 - PLT 28
Zip Code	28046
City	MADRID
Province	Madrid
Country	Spain
Homepage	www.wallbox.com

GETTING STARTED

Preliminary Considerations

Read carefully these instructions before carrying out the installation.

- The charging point must not be installed in places where there may be a risk of explosion.
- Do not install the charging point in places where objects can fall and damage the equipment.
- Install the charging point on a surface resistant to mechanical forces.
- Disconnect the charger from the mains when repair work and manipulation of the equipment are carried out.
- Only authorised and qualified personnel may access the electrical parts located inside the charging point.
- The input power line for the charging point must be connected directly from a distribution panel to the charging point with a dedicated individual circuit and comply with the electrical safety regulations applicable in your country.
- The sizing of the input power cable of the charging point must be verified by a qualified electrician. Note that there are various factors that can influence the choice of cable, including the distance between the distribution panel and the charging point, the maximum input current of the Supernova, the installation mode and the conductor material. The company in charge of the installation will be responsible for sizing the section of the cables and electrical protections.
- Upon receiving the charging point, check it carefully to verify that no damage has occurred during shipment.
- All the processes of unloading and handling of the charging point must be carried out and supervised by qualified personnel who take into account the considerable weight of the equipment, comply with the safety regulations and use the appropriate support points.
- Once the charging point is unloaded from the truck, use a forklift to move the equipment to its location.
- The content of the packaging is fragile, do not stack one Supernova on the other.

GETTING STARTED

Safety Instructions

- Any resulting damage due to disregard or actions contrary to the instructions in this manual is excluded from the product warranty.
- Do not use this product if the connector is broken, cracked, open or shows any other indication of damage. Please contact your distributor.
- The installation maintenance and servicing of the Wallbox device must be performed only by qualified personnel in accordance with applicable local regulations. Unauthorised installation and modifications make the manufacturer warranty void.
- Protect your Wallbox device from any external impact.
- Do not use your Wallbox charger under adverse climatic conditions.
- Do not open the cover in the rain.
- Do not touch the charging cable if the connector emits smoke or begins to melt. If possible, stop the charging.
- Take appropriate precautions with electronic medical implants.
- Disconnect the main service power from the charger before cleaning the unit. Do not use cleaning solvents to clean any part of the charger. Clean it with a clean, dry cloth to remove dust and dirt accumulation.
- Use the Wallbox charger under the specified operating parameters and within normal ambient conditions.
- The charger can be installed up to 2000 m.

Legal Notice and Liability

- This document contains information about one or more WALLBOX CHARGERS products and may include a description of or a reference to one or more standards that may be generally relevant to the WALLBOX products. The presence of any such description of a standard or reference to a standard is not a representation that all of the WALLBOX products referenced in this document support all of the features of the described or referenced standard. In order to determine the specific features supported by a particular WALLBOX product, the reader should consult the product specifications for the particular WALLBOX product.
- WALLBOX may have one or more patents or pending patent applications protecting the intellectual property in the WALLBOX products described in this document.
- The information in this document is subject to change without notice and should not be construed as a commitment by WALLBOX. WALLBOX assumes no responsibility for any errors that may appear in this document.

GETTING STARTED

Safety Instructions

- In no event shall WALLBOX be liable for direct, indirect, special, incidental, or consequential damages arising from use or installation of any software or hardware described in this document.
- This document is originally written in English. Other language versions are a translation of the original document and WALLBOX cannot be held liable for errors in the translation.
- This document and parts thereof must not be reproduced or copied without written permission from WALLBOX, and the content thereof must not be imparted to a third party nor used for any unauthorized purpose.

Limited Warranty

- Wallbox warrants this product against defects in materials and workmanship for a period of 3 years from the date of purchase.
- During this period, at its discretion, Wallbox will either repair or replace any defective product at no charge to the owner.
- Replacement products or repaired parts will be guaranteed for only the unexpired portion of the original warranty or 2 years whichever is greater.
- Any defect resulting from any accident, misuse, improper maintenance, or normal wear and tear is not covered bzy the limited warranty.
- Substitution or incorporation of any part by the client will be considered as incorrect usage.
- Except to the extent permitted by applicable law, the terms of this limited warranty do not exclude, restrict, or modify, and are in addition to, the mandatory statutory rights applicable to the sale of the product to you. If you believe your product is defective, contact Wallbox for instructions on where to send or bring it for repair.

GETTING STARTED

Safety Instructions

Classifications and Ratings

	Intended Use
Type of construction:	Fixed parts.
External design:	Floor-Standing Assembly
Mounting method:	Stationary equipment mounted on concrete
Installation location:	Indoor and outdoor use.
Location accesses:	Equipment for locations with non-restricted access and restricted access.
Intended for use:	Equipment intended for use by ordinary persons.
	Electric Ratings
Type of EV Supply Equipment	Regulated D.C. EV charging station by means of controlled current (up to 150A) charging D.C. output voltage rating category: 150 Vdc to 500 Vdc.
Rated Voltage	400V (-/+10%)
Rated Frequency (fn)	50Hz
Rated insulation voltage (Ui)	1430 Vrms
Rated impulse withstand voltage (Uimp)	2500 Vrms
Temporarty Overvoltage	1500V
Rated peak withstand current (Ipk):	130 A
Rated conditional short-circuit current (Icc):	10kA
Rated diversity factor (RDF):	1
Pollution degree:	Pollution degree 3. Internally reduced to degree 2 in the main enclosure.
Electromagnetic compatibility (EMC) classification:	For emissions residential (Class B) and for immunity non-residential.
	Electric Architecture
EV supply equipment connection:	EV supply equipment (AEVCS) permanently connected to the AC mains supply network.
Charging Mode:	DC EV supply equipment Charging Mode 4, both System A (Chademo) and System C (CCS), plus Case C connection.

GETTING STARTED

Safety Instructions

Classifications and Ratings

Type of system earthing:	Three phase system, neutral and PE are connected to the ground (TNS system).
Nature of short-circuit protective device(s):	100A curve D SCPD (Short-Circuit Protection Device)
Measures for protection against electric shock:	Safety grounding & Electrical Isolation. Basic protection.
Protection against electric shock:	Class II equipment.
Insulation:	Isolated D.C. EV charging station by means of reinforced insulation.
Response time of the interface switch:	Response time of the interface switch (controlled by the NS protection) 20 ms.
Other	
Impact degree:	IK10 for structure and IK8 for touchscreen
Ingress Protection:	IP54 for main unit, IP45 for Hose and cable connector.
Information Exchange: (controlled by the NS protection):	EV supply equipment can't exchange information with installation regarding the request and presence for ventilation.

GETTING STARTED

Safety Instructions

Safety Icons

- A.



Hot surface, risk of burn.
Some internal components of Supernova can remain hot long after the power supply has been disconnected.

Make sure that the components have cooled down before disassembly, repair or replace them.
- B.



Flying debris, risk of injury.
Flying debris may cause eye, head and ear injuries. Workers need to be very careful when at risk.
- C.



Heavy object, risk of injurious strains. Take into consideration that the components of Supernova can be very heavy. Be careful when lifting them in order to avoid back injuries.
- D.



Caution. Follow all the safety and installation instructions carefully. Failure to follow instructions may be a safety hazard and/or cause equipment malfunction.
- E.



Sharp element, risk of injurious cuts. Take care to avoid injuries from sharp elements.
- F.



Risk of electric shock. Disconnect and wait 10 minutes. Installation and maintenance must be carried out only when the power is off. Switch off the main switch of Supernova before proceeding and make sure that the electrical power is disconnected.

Supernova works at high electrical voltage, so only qualified personnel are permitted to install and maintain its components. Consequently, do not allow unqualified personnel to go near it.
- G.



Ground earth connection required. Take care to ground electrical currents to protect your appliances and home from surges in electricity. If your electrical system is grounded, all of the electricity in excess will go into the earth.
- H.



Special waste treatment. To protect public health and environment, make sure that your special waste is transported by a registered waste carrier at authorised sites.
- I.



Risk of foot crush. Be careful during the assembling and disassembling components that they do not crush a human body or body part.

GETTING STARTED

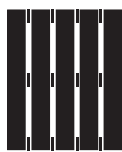
Inside the Box

Materials

A. Charging Point



B. EU pallet



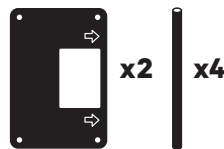
C. Installation manual



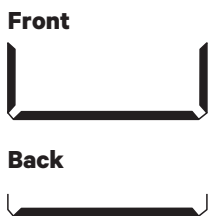
D. Antivandalic Key



E. 2 level plates
+ 4 threaded bars



F. Foot coverback
+ front



G. Nuts M16



H. Washer M16



I. Screws M5 x10



J. Screws M12 x16



K. Support Entry Plate



L. Membrane Entry Plate



M. Screws M5x16



GETTING STARTED

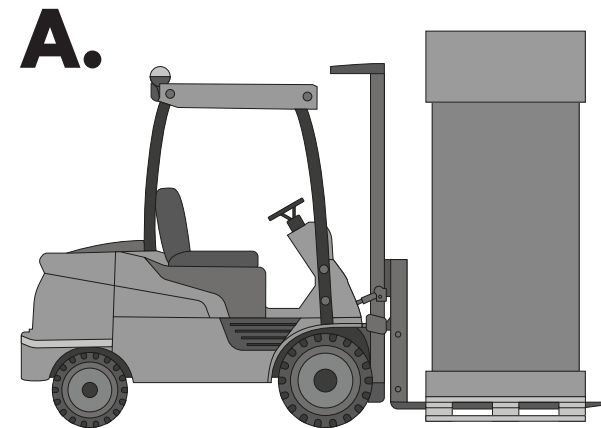
Required Tools

The following tools required for the installation of Supernova are recommended for the Supernovas installation (not provided):

- 2x Spanner (size 24 mm) for M16 nuts
- Safety Torx screwdriver (size T30) for M6 screws
- Socket wrench (size 19) for M12 hexagonal screw.
- Optionally: wrench or spanner (size 19).
- Allen key for DIN 912 M5 screws.
- Hexagon socket wrench for M8
- Bolts M16 50 cm.

TRANSPORT AND UNPACKING

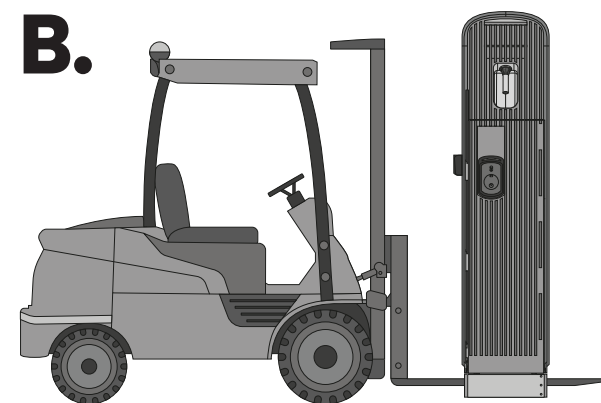
Transport



The base of the charging point will be screwed to an eu-pallet with two metal plates held by four M12 nuts. Therefore any lifting system compatible with the eu-pallet could be used to lift it, move it and transport it to the place of the installation.

REMEMBER

The package should be transported vertically not to damage Supernova.

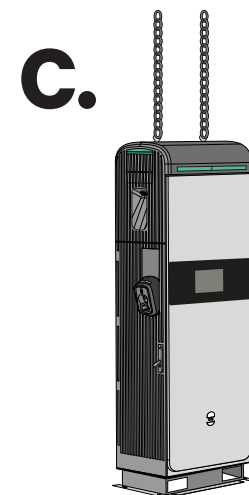


To lift the charger, place the forklift with a capacity greater than 250 kg under the eu-pallet or directly under the foot of the charger.

In both cases, the download needs to be carried out making sure not to damage the charging point.

IMPORTANT

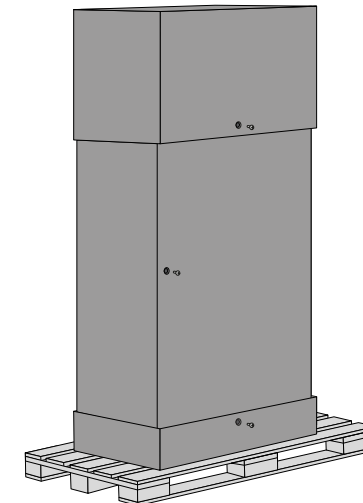
Make sure that the charger is stable on the forklift before moving it.



Supernova can be transported also with a crane. In this specific case, remove the external top cover and the internal top cover of the packaging. Then, mount the eye-bolts on top of the charger. Look at the “Final Steps” section of this manual for more information (pg.39)

TRANSPORT AND UNPACKING

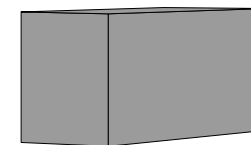
Unpacking



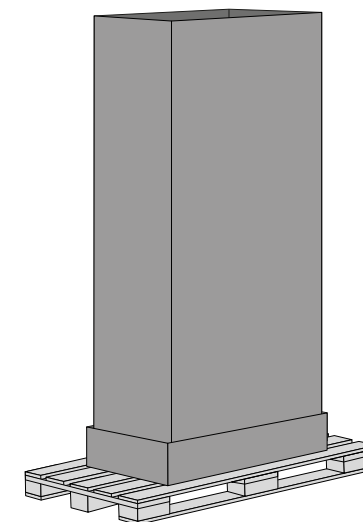
- 1.** Make sure to have enough space to unpack the charger.
x6 M10x35 Screws shall be unscrewed from the front and back of Supernova.

DISCLAIMER

Store the Supernova in the original packaging in a vertical position. Storage Temperatures: -35 to 70°C.

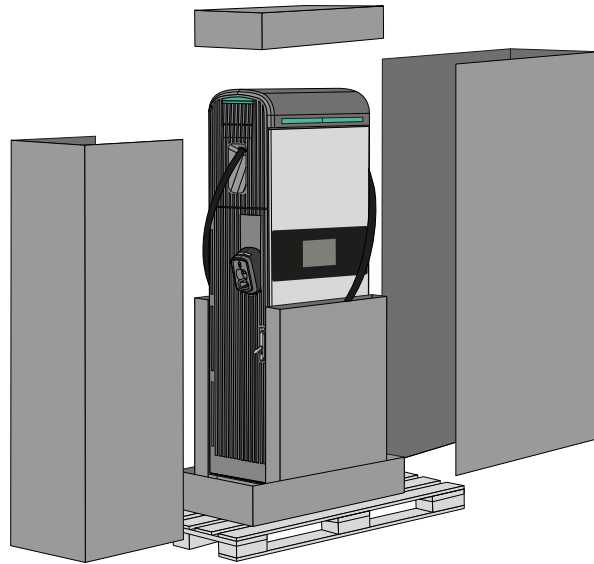


- 2.** Take out the external top cover.

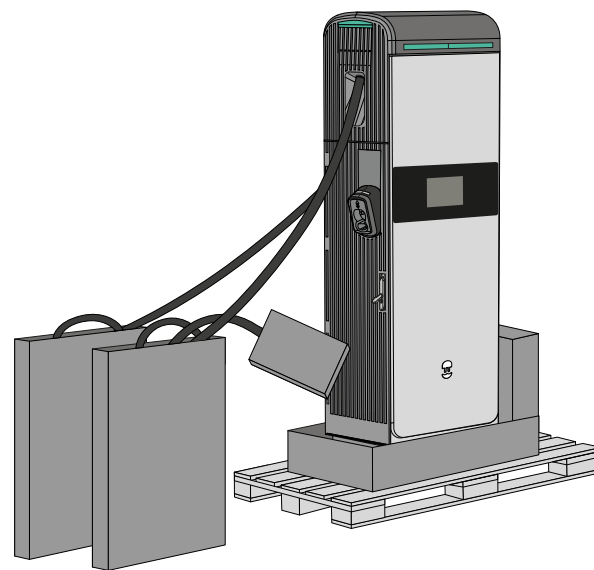


TRANSPORT AND UNPACKING

Unpacking



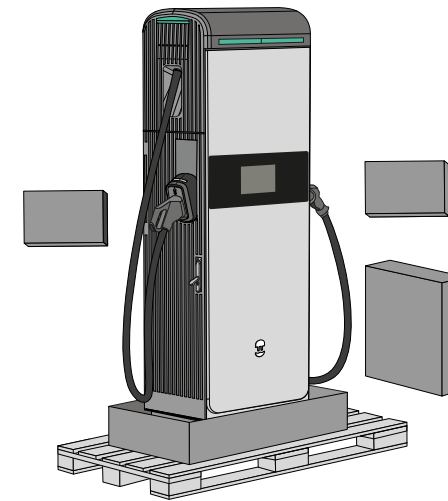
- 3.** Remove the side parts of the packaging to take out the internal top cover.



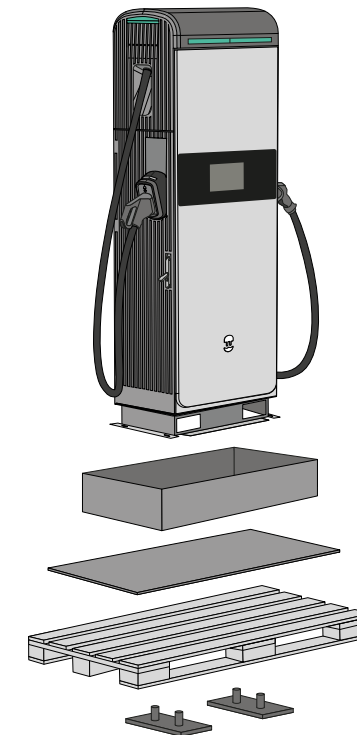
- 4.** Take out the hoses from the boxes placed in front and in the back of the charger.

TRANSPORT AND UNPACKING

Unpacking



- 5.** Unpack the EV guns and plug them in the holsters. Then, unpack the installation kit.



- 6.** Carefully lift the charger with a forklift or crane before unscrewing the four M12 nuts and take out the two plates at the bottom of the pallet.

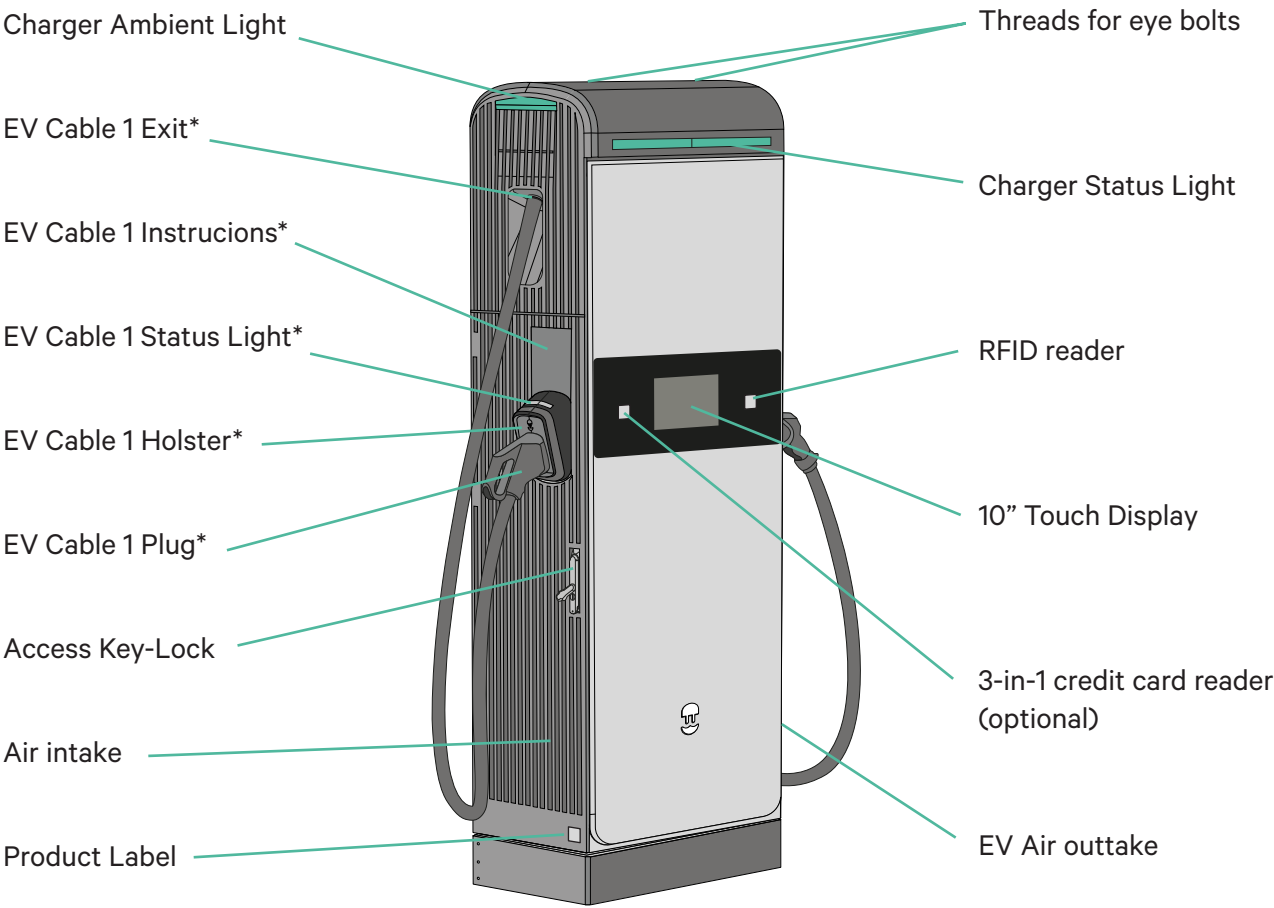
IMPORTANT

Check the Civil Work section for further instructions.

PRODUCT DESCRIPTION AND SITE PREPARATION

External view

The images below show the different connections of the divide from the outside.

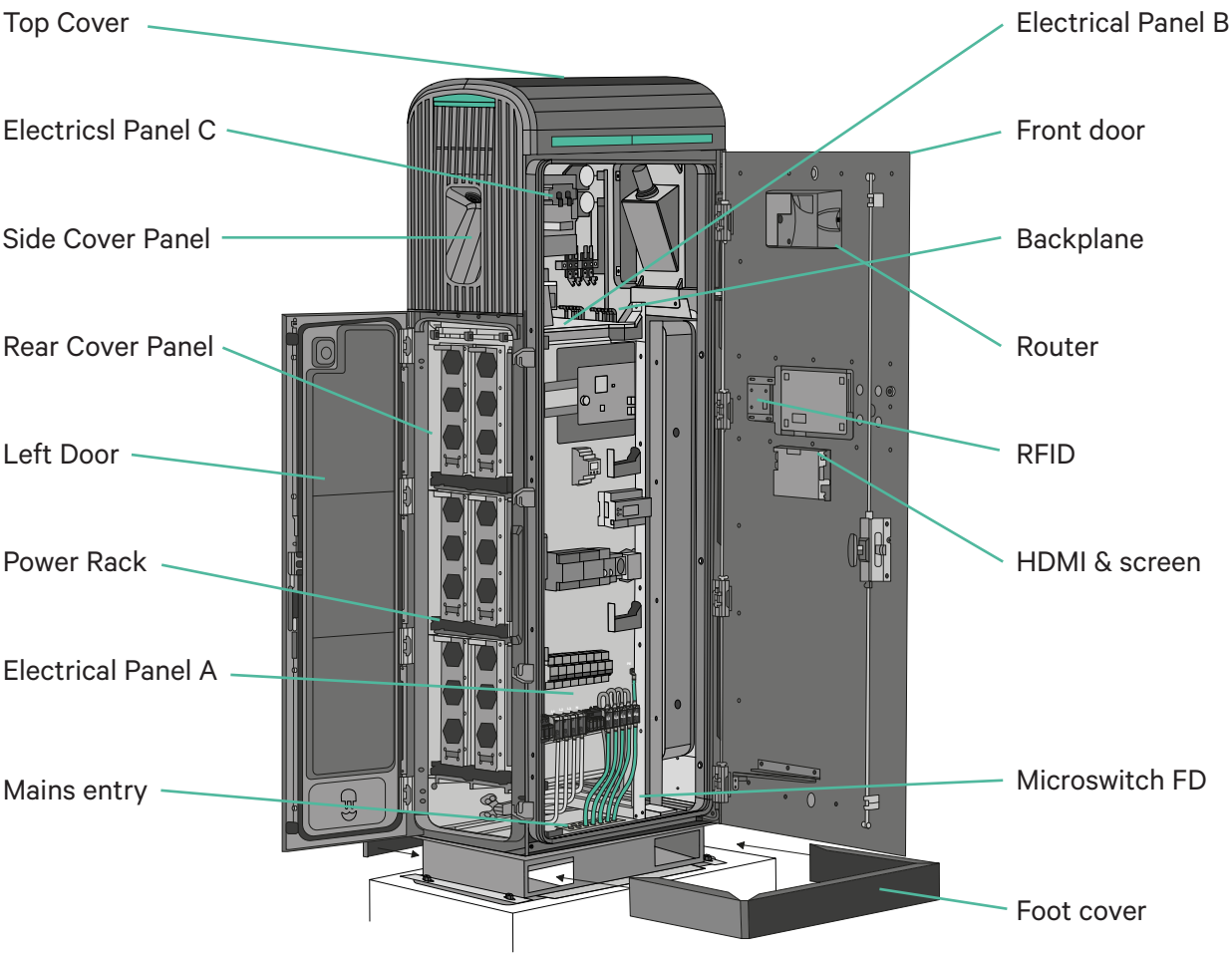


*Equivalet for EV Cable 2 is located on the other side.

PRODUCT DESCRIPTION AND SITE PREPARATION

Internal view

The image below shows the internal view of Supernova Fast Charging station.

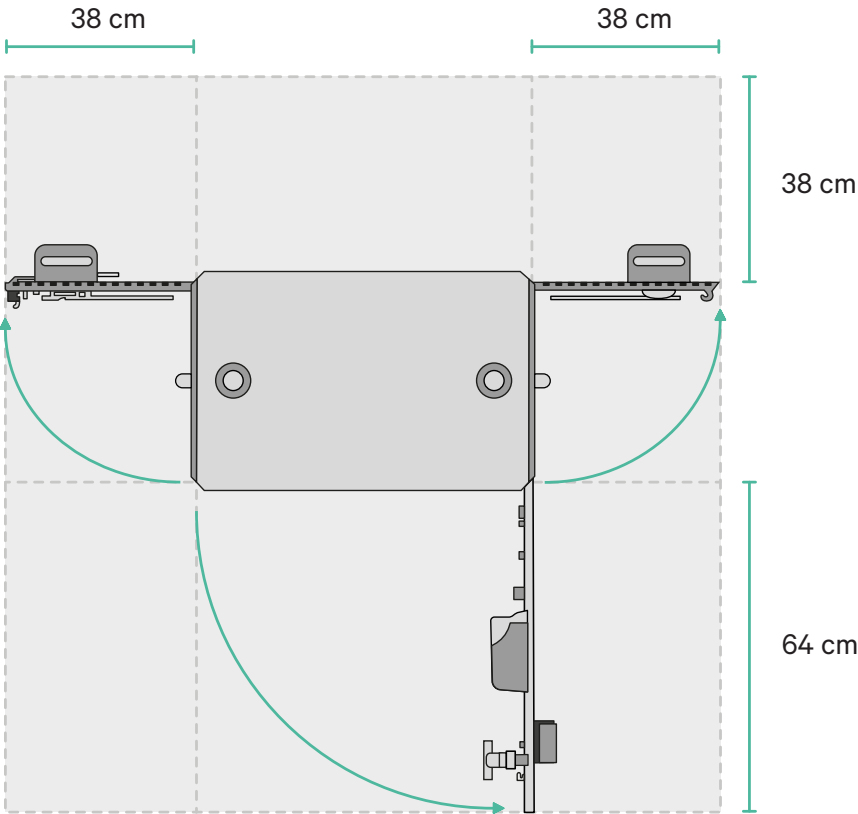


PRODUCT DESCRIPTION AND SITE PREPARATION

Site Space Requirements

During the installation, make sure to leave a certain minimum distance from possible objects around it, in order to allow the door opening and to facilitate possible maintenance operations.

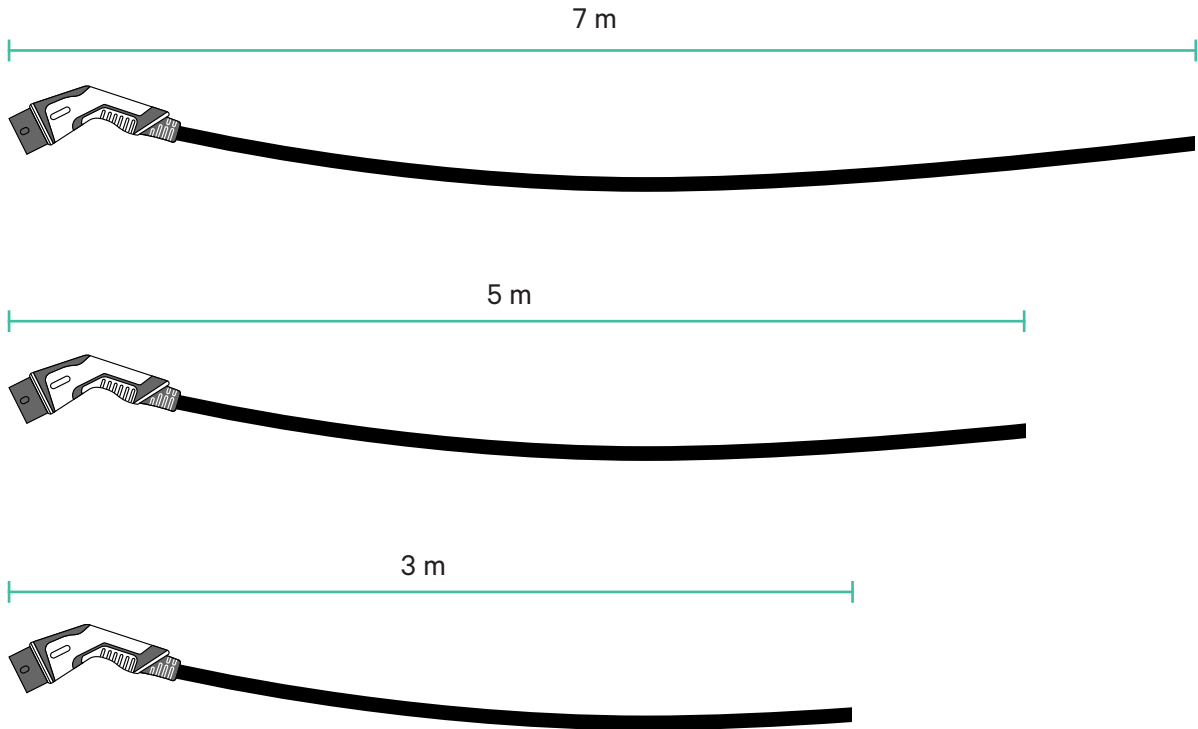
The image below shows the recommended minimum distance needed to perform the installation.



PRODUCT DESCRIPTION AND SITE PREPARATION

Cable Reach

Depending on the version purchased, Supernova fast charging station comes with a 3 m, 5 m or 7 m cable. The following figure shows the operating radius of the cables for the two outlets of the charger.

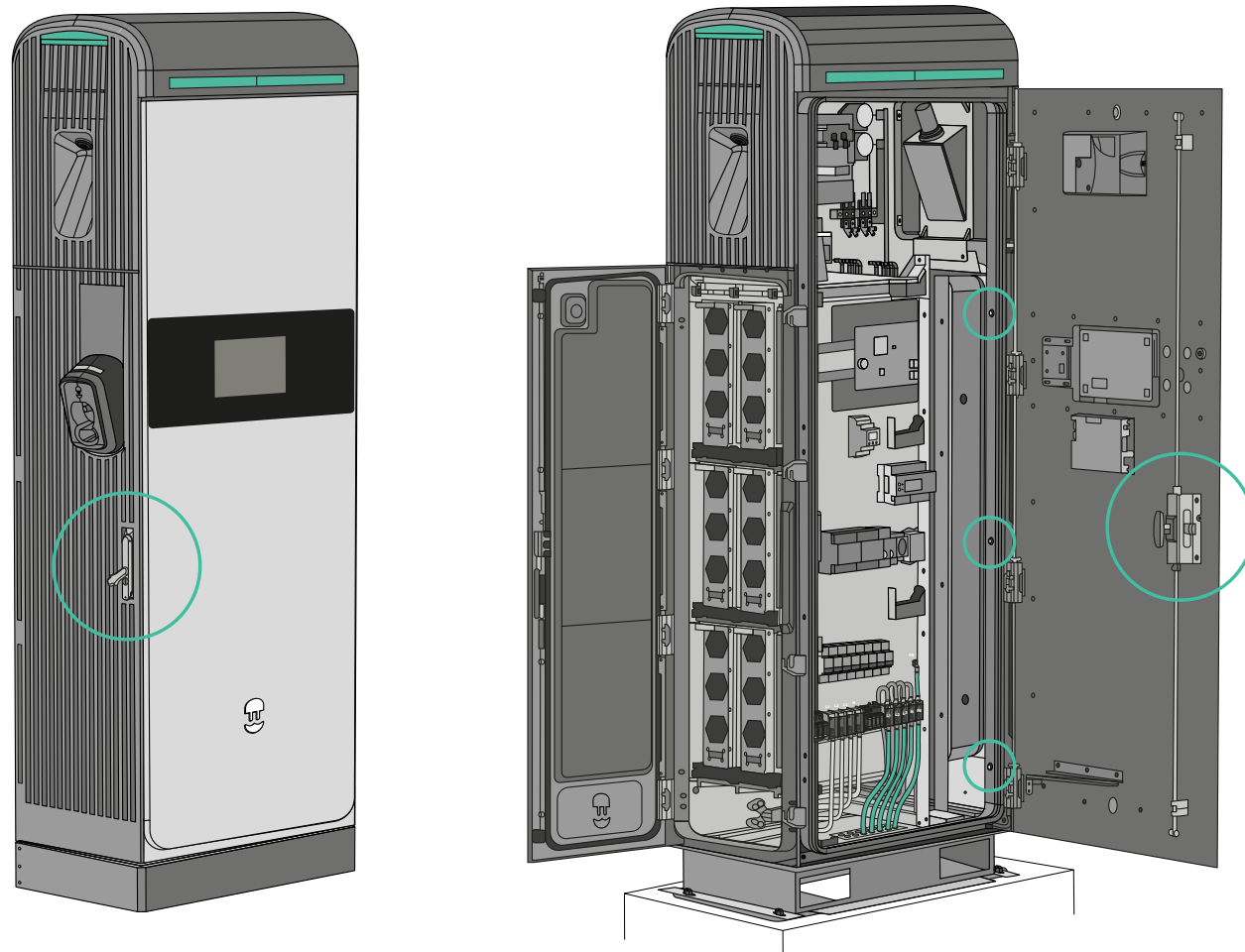


PRODUCT DESCRIPTION AND SITE PREPARATION

Door and Keys Instructions

Introduction

Supernova has three doors: one on the left side, one in the front and the last one on the right side. The doors must always be opened sequentially from left to right.

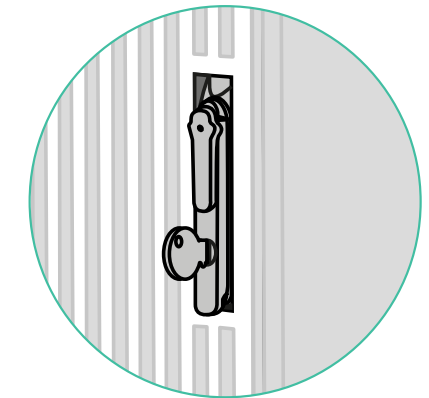
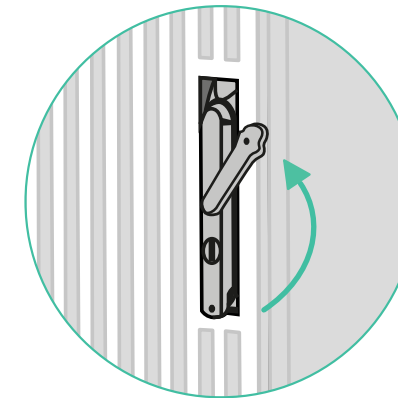


PRODUCT DESCRIPTION AND SITE PREPARATION

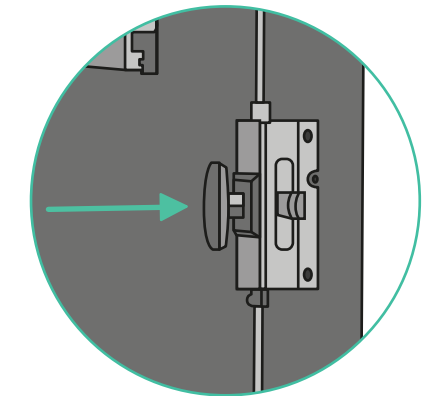
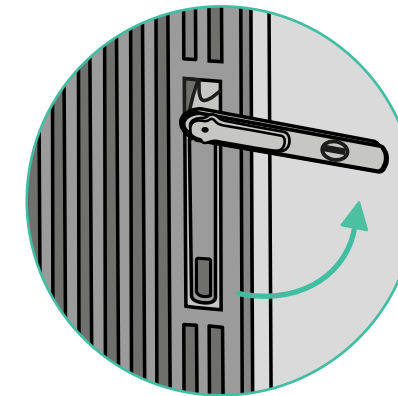
Door and Keys Instructions

Instructions

- 1.** To open the first door, shift the door lock cover to the right.
- 2.** Use the key included in the installation kit to unlock the handle.



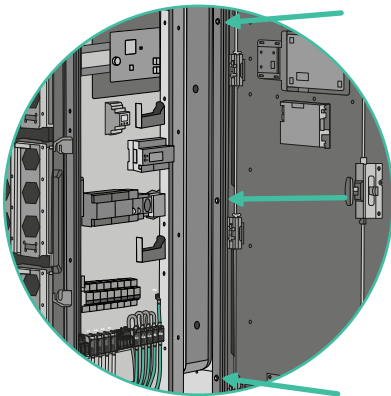
- 3.** Turn the handle to the right and pull the door.
- 4.** Turn the handle inside the charger and push the door to open it.



PRODUCT DESCRIPTION AND SITE PREPARATION

Door and Keys Instructions

5. To open the right side door, press the buttons placed inside of Supernova.



To close the charger, start from the right doors. Then, close the front door and finally lock the door on the left side by using the key.

REMEMBER

When closing the door, apply equal pressure on the upper, middle and bottom to ensure that the buttons close correctly.

MECHANICAL INSTALLATION

Civil Works

Using Wallbox installation-kit

Structural engineering work must be carried out in accordance with current regulations and as specified below:

- The concrete used for the foundation must be a standard ready-mix concrete and be resistant to frost.
- The charger must be fixed to the ground and be perfectly level. In fact, if the charging point leaves a gap from the ground (by lifting the right, left, front or rear), it could damage the permeability of the Supernova.
- It will be necessary to level the system without the use of washers or other objects that do not guarantee integral and continuous contact between the base of the charging point and the ground.
- To ensure the optimal installation and the durability of the Supernova, use the foundation kit (template and concrete base).
- To perform the electrical connection, make sure not to cut the tube at the sole level to avoid the water penetrating into the charger in case of rain.

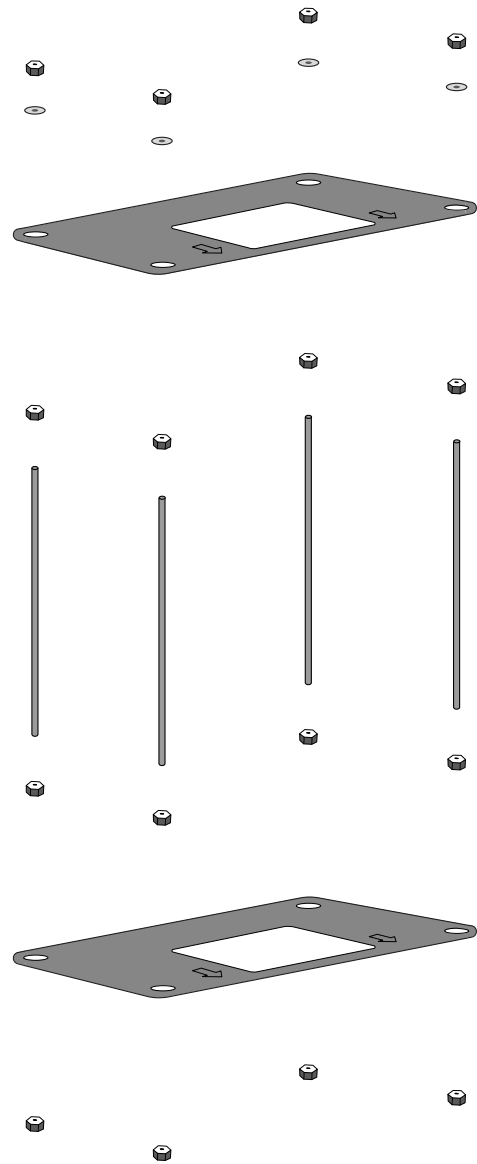
Steps

Material

Assembly	Part	Size	Quantity	Tools recommended
Foundation	Level Plate Supernova	360x701 mm	2	Not Applicable
Foundation	DIN 976-1 B	M16 x 500 mm	4	Not Applicable
Foundation	NUT DIN 934	M16	16	2x Spanner (size 24 mm)

MECHANICAL INSTALLATION

Civil Works

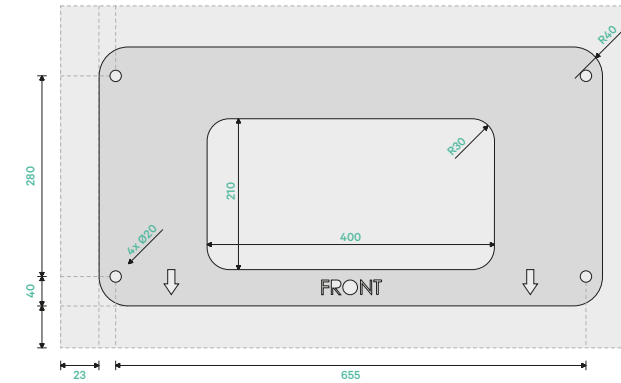


- 1.** Dig a hole, respecting the minimum dimensions of the template. It is recommended to leave an extra volume around the template. The resulting depth should be less than 0.45 m. It is important that the cables are loose enough and that they protrude a minimum of 0.75 m above the surface to allow a proper connection to the charging point.

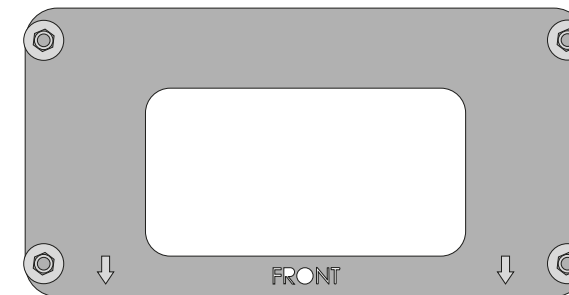
- 2.** Assemble the whole foundation. First, attach one of the level plates to one end of the bars using 8 M16 nuts (4 above each plate hole, and 4 below each plate hole). Subsequently, attach the upper level plate using 4 M156 washers and 4 m16 nuts. The rest of the washers and nuts is going to be used for anchoring the charger to the ground.

MECHANICAL INSTALLATION

Civil Works



- 3.** Position the level plate and let it adhere according to the specified measurements. Before placing the Supernova, the top metal plate must be perfectly level, always above the concrete surface, not submerged.



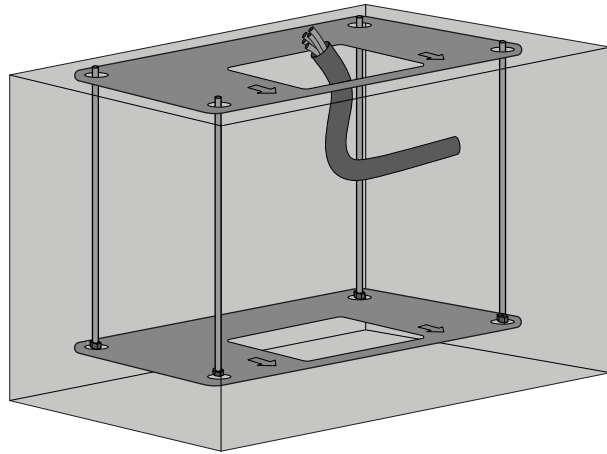
- 4.** Before filling the base with concrete, make sure to protect the upper plate with some masking tape to facilitate the process of removing the nuts from it.

IMPORTANT

Make sure the cable is well positioned and routed before filling the base.

MECHANICAL INSTALLATION

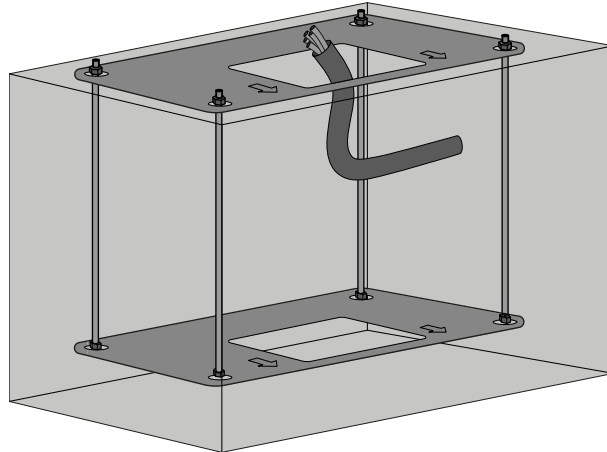
Civil Works



- 5.** Fill the concrete base to ground level. The lower plate should be buried in the concrete, 0.45 m below ground. On the upper plate, the four threaded rods should protrude 0.04 to 0.06 m from the ground.

REMEMBER

The concrete shall never exceed the upper level plate to ensure that Supernova anchors on a flat surface.



- 6.** Let the concrete dry completely. It is recommended that the cables stick at least 1m out from the surface in order to proceed with the electrical connection of Supernova.

REMEMBER

Concrete dries at different rates depending on humidity, temperature and on the provider. It is important to make sure it is completely dry before proceeding with the next steps.

MECHANICAL INSTALLATION

Civil Works

The civil works can be carried out using the following procedures:

- Prefabricated concrete foot
- Chemical anchors
- Wallbox mounting kit

Prefabricated concrete foot with Wallbox compatible mounting plate

Check the manual provided by the supplier of the prefabricated concrete foot, before proceeding with the installation.

Chemical anchors in concrete

1. Using the level plate as an indicator, drill to make 4 holes in the concrete substrate and remove the crumbs and debris from the floor. Each hole should be 0.45 m depth.
2. Brush the holes to smooth the surface and remove the debris from the holes.
3. Use a caulk gun to fill the holes with the epoxy.
4. Take the 4 chemical anchor bolts M16 and place each one of them in one hole, making sure to rotate them while pushing them to the bottom of the holes. They should protrude around 0.05 m from the ground.

IMPORTANT

Make sure the drilling is bigger than M16 to ensure the entrance of the bolts after the epoxy.

5. Clean the excess of the product with some cardboard to spread it around.
6. Let the product dry completely.
7. At this point, place the upper plate and place the charger using a forklift or a crane in correspondence with the bars. The four holes present at the base of Supernova need to be aligned with the bars coming out of the floor.
8. Fix the chargers with 4 M16 washers and 4 M16 screws.

IMPORTANT

Make sure the drilling is bigger than M16 to ensure the entrance of the bolts after the epoxy.

MECHANICAL INSTALLATION

Placing

Material

Assembly	Part	Size	Quantity	Tools recommended
Foundation	Washer DIN 125A	M16	4	Not Applicable
Foundation	NUT DIN 934	M16 x 500 mm	4	Spanner (size 24 mm)

1. Move the charging point closer to its final location (check the minimum distances necessary to open the side and main doors). Follow the safety measures detailed in the Transport section of this manual to move the charger.

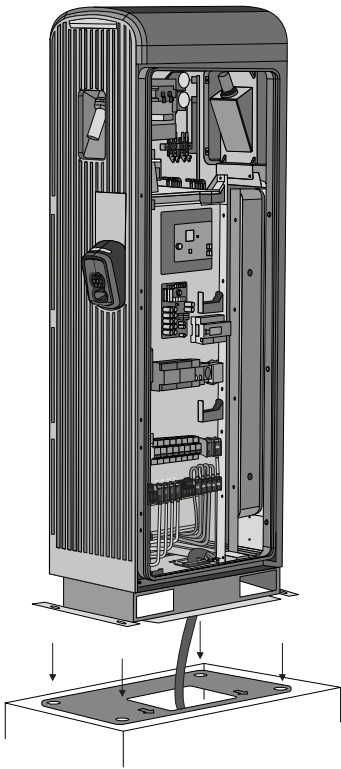
DISCLAIMER
Before placing the Supernova, make sure no nuts or washers are screwed to the upper level plate.

2. Open the side door on the left side of the charger with the key, then open the front one in order to route the entry cable.
3. Raise the Supernova with a forklift or a crane and place it above the four rods that protrude from the ground.
4. Close only the side door, to facilitate the process.

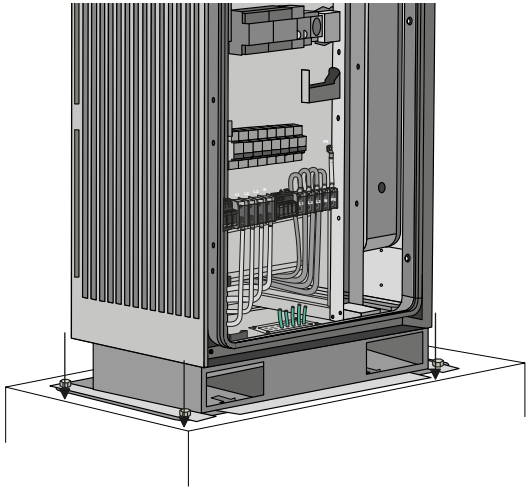
IMPORTANT
Close the doors carefully, pushing them steadily to make sure that the electrical components are not damaged.

MECHANICAL INSTALLATION

Placing



7. Carefully lower Supernova making sure to route the electrical cables through the centre of the charging point.



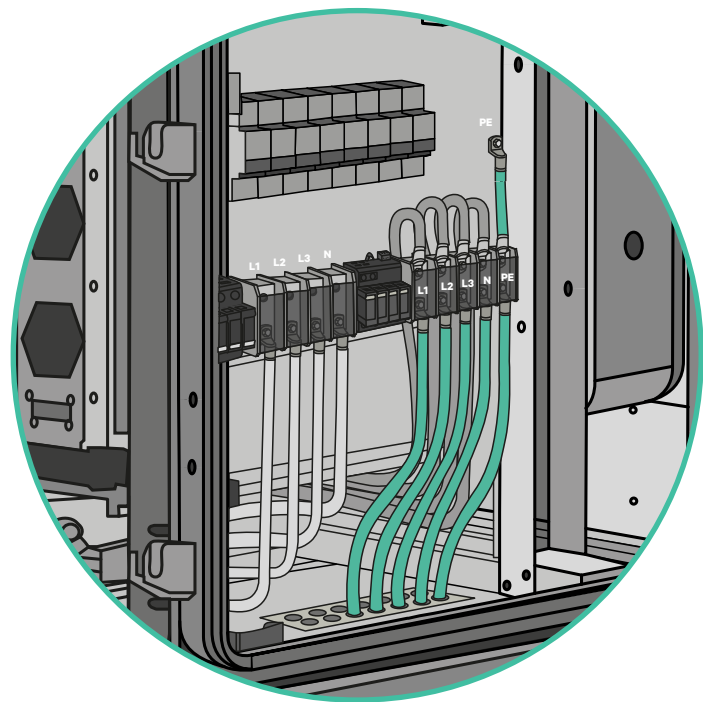
8. Screw the 4 M16 washers and the 4 M16 nuts until the Supernova is completely and firmly anchored.

ELECTRICAL INSTALLATION

Grid Connection

The electrical connection is the costumer’s responsibility and should be carried out by a qualified professional.

The Supernova must be connected to an electrical network with the following specifications: (3P + N + PE): 400/230 V +/- 10%; 50 Hz.

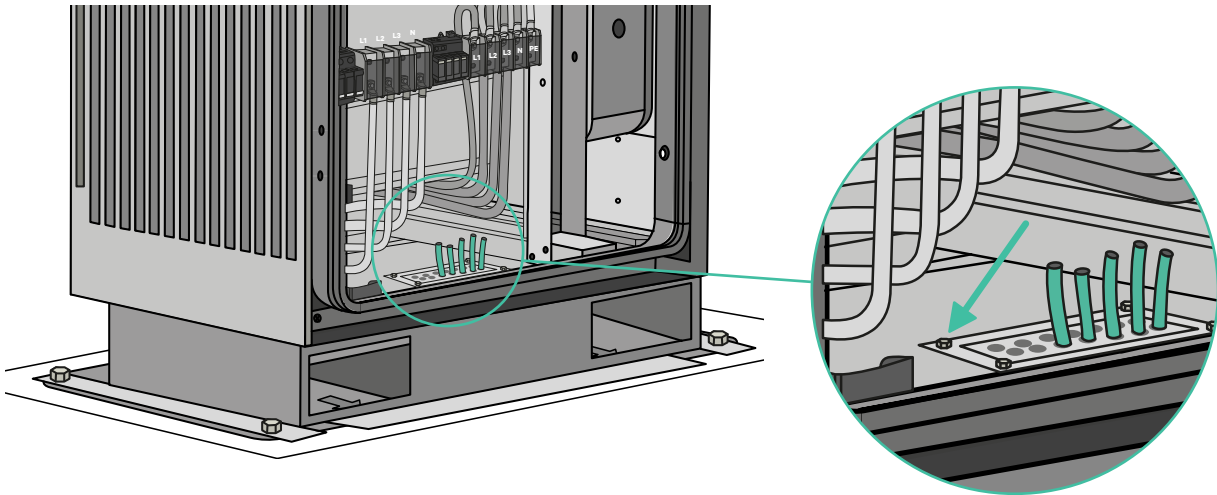


ELECTRICAL INSTALLATION

Grid Connection

Material				
Assembly	Part	Size	Quantity	Tools recommended
Electrical Cabinet	5 Screws	M8	5	Hexagon socket wrench for M8

1. Locate the power input access at the bottom of the charging point.
2. Put the cables through the waterproofing rubber and anchor back the cable-entry frame.



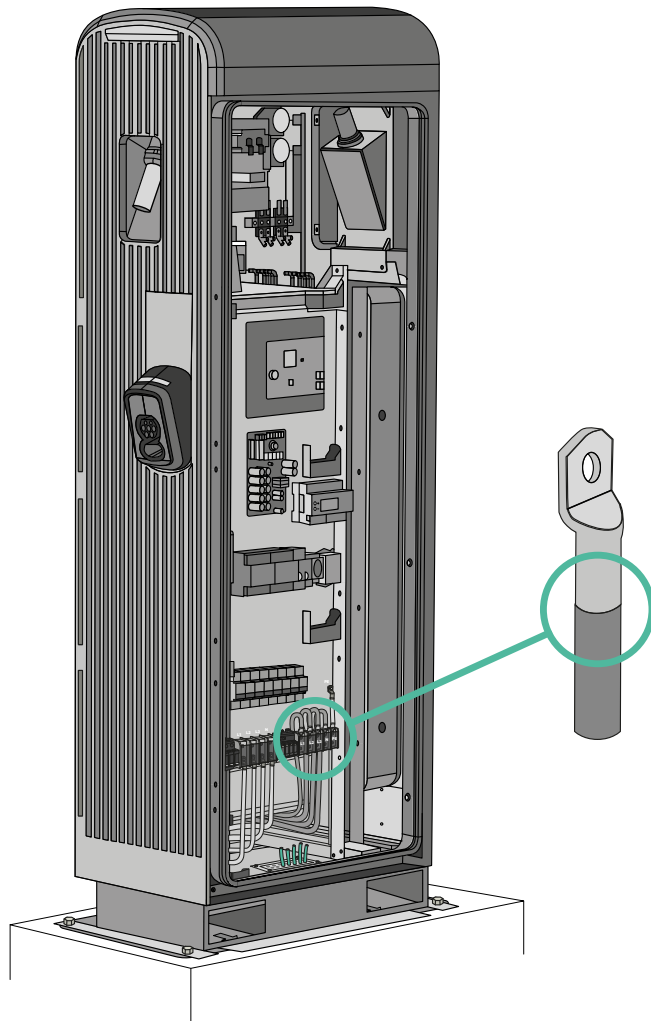
REMEMBER

In case it is needed, Wallbox recommends to unscrew the M5 x12 with an Allen Key M5.

ELECTRICAL INSTALLATION

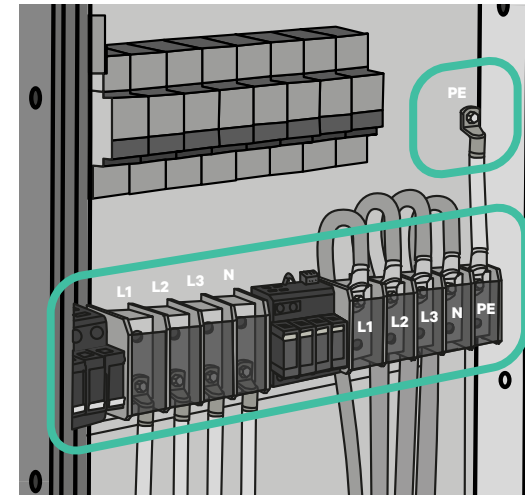
Grid Connection

- 3.** Cut the cables and strip them, then crimp using a M8 flat terminal with a diameter of 22 mm.
- 4.** Depending on the power of the charging point, use a metallic electrical terminal compatible with cable section. Check this requirement in the data sheet.



ELECTRICAL INSTALLATION

Grid Connection



- 5.** Screw the crimped terminals to L1, L2, L3, N and PE.
- 6.** Before closing the electrical protection, ensure that the mains-switch of the charger is off. Then close the mains and make sure that the voltage between phases does not pass 400V (-/+10%) and that all phases are in order.

IMPORTANT

The charger must be powered on only by Wallbox service engineerings.

ELECTRICAL INSTALLATION

Grid Connection

Observations

- The short-circuit current at the connection point cannot exceed 10 kA.
- The impedance of the loop with respect to ground must not exceed 80 Ω.
- This connection must be protected, in a previous phase (main electrical panel where the supply comes from), by a four-pole magnetothermic switch (moulded case), minimum of 100 A; type curve D, by a differential switch capable of withstanding at least the maximum current of the previously mentioned switch, with a sensitivity of 300 mA; type A.
- The overvoltage protection of 20% Vn (Nominal Voltage) will be necessary.
- The dimensions of the wiring must comply with the regulations and standards in force in the country of installation.
- To calculate the minimum section, remember that the fast charger has a maximum primary winding current of 130 A.

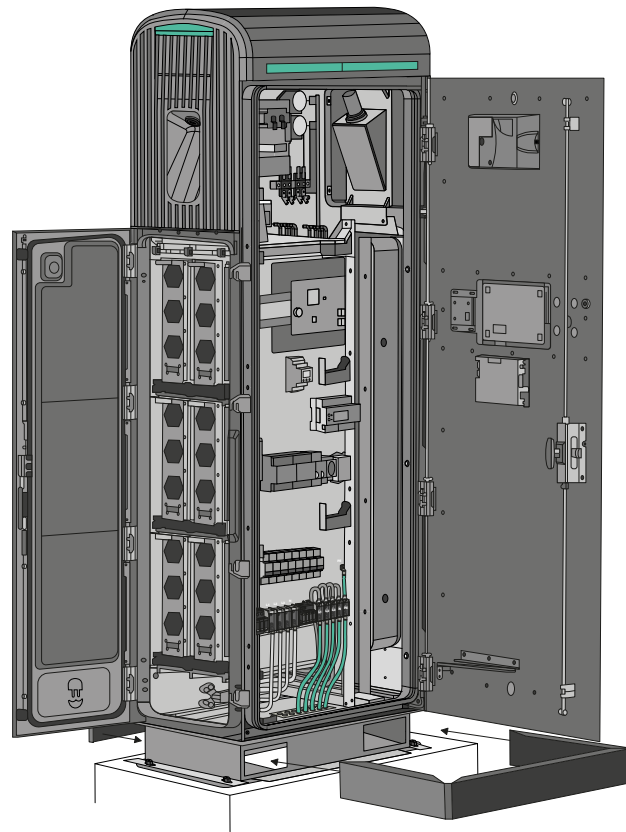
FINAL MECHANICAL PREPARATION

Final Steps

Material				
Assembly	Part	Size	Quantity	Tools Recommended
Structure	Foot Cover Front	N/A	1	N/A
Structure	Foot Cover Back	N/A	1	N/A
Structure	Internal Screws ISO 7380-2	M5 x10	7	Allen for M5 Screws
Structure	External Screws ISO 7380-2	M6 x12	6	Torx for M6 rounded
Top Cover	Eye-Bolt DIN 580	M12	2	Socket wrench for M12
Top Cover	Top Cover Screws	M12 x16	2	Socket wrench for M12
Top Cover	Washers	M12	2	N/A

FINAL MECHANICAL PREPARATION

Final Steps



- 1.** Fix the Foot Cover Front to the structure by screwing 7 screws (DIN 912 M5).

- 2.** Fix the Foot Cover Front with the Foot Cover Back by screwing 6 external screws on the sides of the Foot Covers (Safety Torx for M6).

REMEMBER

The concrete shall never exceed the upper level plate to ensure that Supernova anchors on a flat surface.

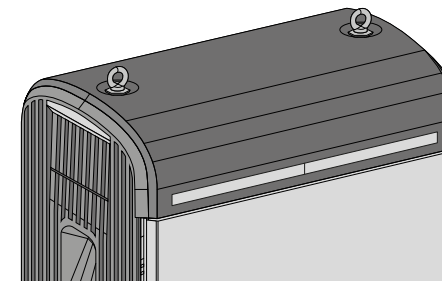
- 3.** Close all doors carefully as specified in the Doors and Key section of this document.

FINAL MECHANICAL PREPARATION

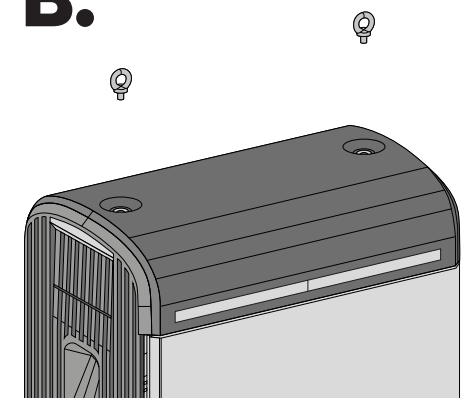
Final Steps

- 4.** In case you used a crane, remove the eye bolts from the top of Supernova and replace them with 2 top cover screws.

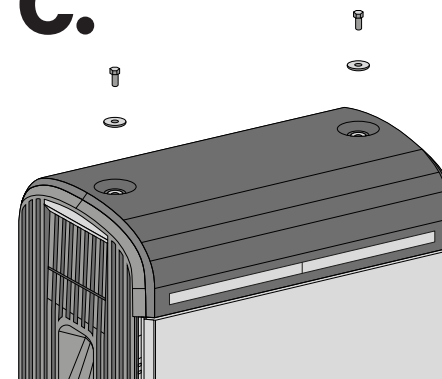
A.



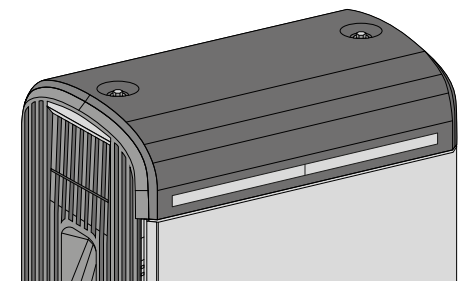
B.



C.



D.





support.wallbox.com

