Charge Amps **Aura 2**



Installation and User Manual

English

CHARGE AMPS

www.chargeamps.com

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Respect the environment! Do not dispose of this product with household waste! This product contains electrical or electronic components. Leave the product for separate collection and proper treatment at a designated location, such as a local authority's recycling station.

CE

In conformity with the relevant EU directives.

Neglecting to follow and carry out the directions, instructions and safety precautions in this Installation and User Manual implies that any warranty provisions will be cancelled and that Charge Amps AB can reject any and all claims for compensation in connection with any injuries/damage or incidents – direct or indirect – that are a result of such negligence.

Charge Amps AB does not give any warranties as to the accuracy or completeness of this document and shall have no liability for the consequences of using such information. Charge Amps AB reserves the right to make changes to information published in this document without notice.

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Energy meter

EU Declaration of Conformity

CHARGE AMPS

chargeamps.com

MID module

EU Declaration of Conformity

Charge Amps AB (reg. no. 556897-7192)
Frösundaleden 2B, 169 75 Solna, Sweden

declares under our sole responsibility that the products

CA-MID-01, P/N 130582/XX*

CA-MID-01 DE, P/N 131627/XX*

are in conformity with the relevant Union harmonisation legislation 2014/32/EU, 2014/30/EU and 2011/65/EU.

Presumption of conformity is made based on applying the following harmonised/European standards:
EN 50470-1:2006, EN 50470-3:2006 and EN IEC 63000:2018

The notified body RISE, Research institutes of Sweden AB, NB 0402, issued the EU type-examination certificate 0402-MID-C600003 (Module B) and assessment decision 0402-MID-C600004 (Module D).

*XX is a two digit identification of the current sensor conversion ratio.

Place
Solna, Sweden

Date of issue
2025-02-11

Signature

Christoffer Svanberg
Chief Executive Officer
Charge Amps AB

1 Safety

IMPORTANT! Read all instructions before installation!

- The product must only be installed by a qualified electrician in accordance with this Installation and User Manual.
- Make sure to switch the power off at the main switch before installation or service.
- For this product, automatic reclosing of protective devices is not allowed.
- Improper use or failure to follow the instructions in this Installation and User Manual may create a risk of personal injury.
- National installation/usage requirements and restrictions apply.
- Only use this product for charging compatible electric vehicles.
- Inspect the product for visible damage before use.
- Never attempt to repair or use the product if it is damaged.
- Make sure that the product is in good condition and that all cables are properly seated before use.
- Do not immerse the product in water, subject it to mechanical impact or damage or insert foreign objects into any part of the product.
- Never attempt to disassemble the product in any way other than what is described in this Installation and User Manual.
- Make sure no flammable, explosive, corrosive or combustible materials, chemicals, or fumes are near the mounting location.
- To avoid muscle strain or back injury, use lifting aids and proper lifting techniques.
- Make sure the front cover does not interfere with any cables inside and that the front cover is locked in place upon completion of installation.
- Never use an adapter between the EV socket outlet and the charging cable.
- The use of extension cords is not permitted.
- The owner is responsible for informing users about the charging station’s compatibility.

In this manual, an instructed person means a person who has received sufficient instruction from a qualified electrician to identify electrical hazards and safely perform the specific tasks for which this manual requires an instructed person.

2 Technical data

Charging mode	Mode 3
EV power supply identifier	⟨c⟩
Metering	MID-certified three-phase active electrical energy meter, one per socket. Meter environment classifications according to Directive 2014/32/EU, Annex I: mechanical M2 (1.3.2) and electromagnetic E2 (1.3.3).
Socket	2 × Type 2 sockets, up to 22 kW [1]
Rated voltage (U_n)	230/400 V
Rated insulation voltage (U_i)	250/400 V
Rated impulse withstand voltage (U_{imp})	4 kV
Rated frequency (f_n)	50 Hz
Rated current (I_n, I_{nA})	63 A [2]
Rated current of outgoing circuits (I_{nc})	2 × 32 A
Rated diversity factor (RDF)	0.984 (can be lowered if used together with load balancing functionality)
Rated conditional short-circuit current (I_{cc})	6 kA
Residual current and overload safety	Built-in: 2 × CBR 32 A, type A, $I_{\Delta n}$ = 30 mA, residual current and overload protection, IEC 60947-2 2 × RDC-DD, DC residual current detection, $I_{\Delta dc}$ = 6 mA, IEC 62955
Short-circuit protection	Built-in MCB 63 A, curve Z, magnetic only, IEC 60947-2
Protection against electric shock	Class I

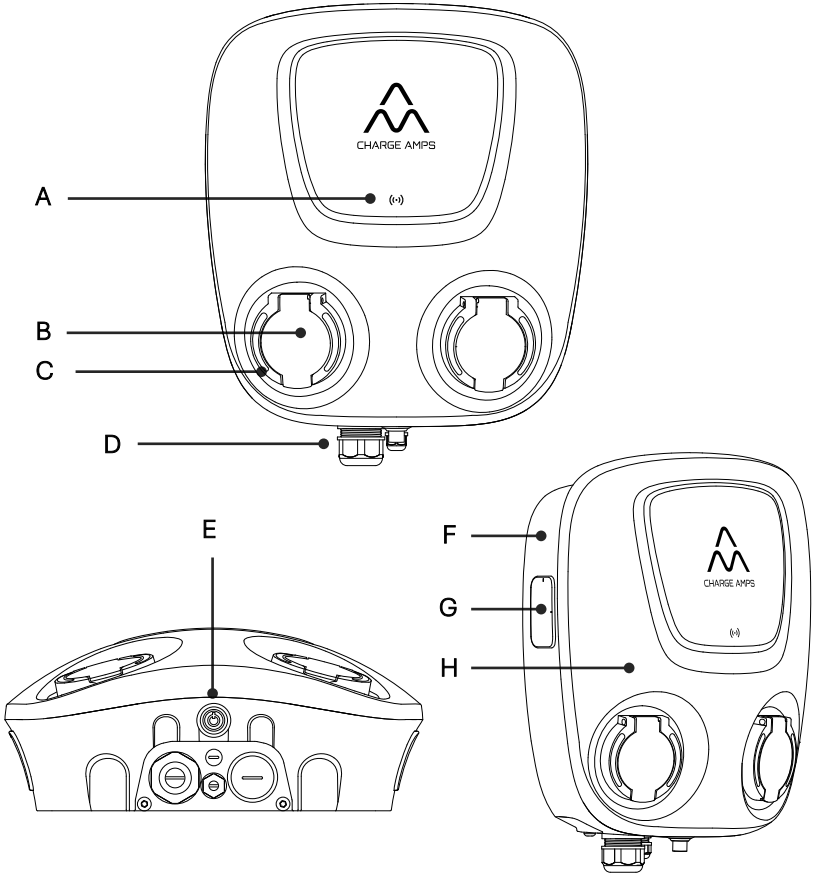
Types of earthing system	TN/TT
Overvoltage category	III
Pollution degree	3
Electromagnetic compatibility	Environment B
Operating temperature	-30 °C to +45 °C
Altitude	0 m to 2000 m
IP code	IP55
IK code	IK10
Mechanical resistance	High
Dimensions (W × D × H)	367 × 159 × 405 mm
Weight	9 kg
Characteristics of power supply and output	AC EV supply equipment connected to AC supply network, permanently connected
External design and method of mounting	Enclosed, stationary equipment suitable for: – surface mounting on walls; or – pole mounting using a mounting accessory.
Type of construction	Fixed parts
Intended use and location type	By ordinary persons, indoor and outdoor installation with non-restricted access
Incoming power cable, OD	13 – 25 mm
Rated connecting capacity	Max 16 mm^2 Cu
RFID	Type: ISO/IEC 14443 Type A, MIFARE Classic Freq. band: 13.553–13.567 MHz Max. RF output: 31 dBm
Bluetooth	Type: Bluetooth LE, Bluetooth Core 6.0 certified Freq. band: 2 402–2 480 MHz Max. RF output: 16.36 dBm EIRP

Wi-Fi	Type: IEEE 802.11a/b/g/n/ac/ax Freq. bands: 2 412–2 472 MHz; 5 150–5 350 MHz (indoor profile only); 5 470–5 600 MHz and 5 650–5 725 MHz. Max. RF output: 19.85 dBm EIRP (2.4 GHz), 20.77 dBm EIRP (5 GHz)
Cellular network communication	Type: LTE Cat 1 bis (LTE-FDD) Supported bands: B3, B7, B8, B20 and B28 Uplink freq. bands: 703–748, 832–862, 880–915, 1 710–1 785 and 2 500–2 570 MHz Max. RF output: 25 dBm conducted SIM card: Pre-installed and customer-replaceable
LAN Ethernet 10Base-T/100Base-TX	2 × RJ45
Communication protocol	OCPP 1.6J, upgradeable to OCPP 2.1 (when available as a firmware upgrade)
ISO 15118	HomePlug Green PHY - HomePlug AV and IEEE 1901 capable (Vehicle High-Level Communication). PLC-based interface to connected EV. ISO 15118-1, ISO 15118-2, ISO 15118-3, ISO 15118-4, ISO 15118-5 and ISO 15118-20 compatible according to AFIR – Regulation (EU) 2023/1804 on the deployment of alternative fuels infrastructure.

[1] Charging power depends on external conditions, such as ambient temperature and the vehicle battery's state of charge, as well as any active load balancing or charging schedule. When both sockets are in use, the available current is shared between them and limited to the maximum total current of 63 A.

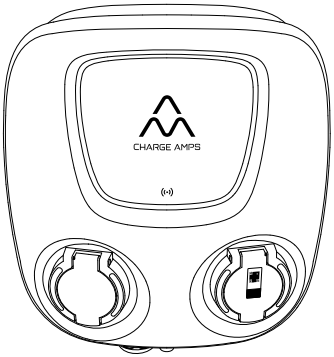
[2] For daisy chaining, the incoming current can be up to 63 A

3 Product overview



A	RFID reader and RFID LED	E	Cylinder lock
B	EV socket	F	Housing
C	Socket light	G	Energy meter display
D	Cable slide: data and power cable entries	H	Front cover

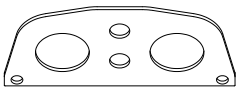
3.1 Package contents



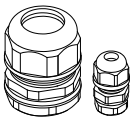
1 x Charge Amps Aura 2

1 x Charge Amps Aura 2 Quick Guide

1 x Accessories bag, containing:



1 x Cable slide



2 x M32
2 x M12
cable glands



2x M32 inserts



2 x M6
screws



1 x M32 screw plug



2 x Cylinder
keys



2 x M12
Screw plugs

4 Before installation

N.B.: If you plan to use Charge Amps Cloud, we recommend creating a Charge Amps Partner Portal account before arriving at the installation site. Visit https://my.charge.space/partner

4.1 Recommended tools

- 3.0 mm flat-head screwdriver
- Bit extension and Torx T30 bit
- Drill and suitable drill bits
- Multimeter
- Wire stripper
- Mobile phone, tablet or computer
- RJ45 crimping tool (only required for LAN installation)
- Electric vehicle (EV), or EV-simulator (optional)
- The installer must have the tools and test equipment required to verify that the electrical installation complies with applicable local installation regulations.

4.2 Materials provided by installer

- 3 × M6 × 30 mm (or longer) stainless-steel non-countersunk screws (A2 or A4), with matching washers (max. Ø20 mm) and wall plugs suitable for the installation surface, if required.
- Power cable, sized according to the charging capacity of the selected product.
- Shielded Ethernet cable (required only for a LAN connection).

4.3 Mounting requirements

- Avoid mounting Charge Amps Aura 2 in direct sunlight.
- Ensure the mounting surface can support the weight of Charge Amps Aura 2 (9 kg) and the forces exerted by the connected cables.
- Do not install Charge Amps Aura 2 in confined spaces.
- Use screws and plugs (if required) suitable for the mounting surface.
- Mount Charge Amps Aura 2 in an upright position.
- Recommended mounting height: 1.1–1.2 m above ground level, measured to the center of the EV socket. Always comply with applicable national and local requirements for mounting height.

4.4 Electrical requirements

N.B.: Local regulations for electrical installation should always be followed!

- Charge Amps Aura 2 must be connected to a permanently installed protective earth.
- Only route electrical cables through the designated cable entries.
- Cable routing and installation must be carried out in accordance with the instructions in Section 5.2.
- The maximum supply current for daisy-chain installation is 63 A.

4.4.1 Protection against electric shock and overcurrents

Charge Amps Aura 2 has built-in overcurrent protection, comprising short-circuit protection provided by an MCB and overload protection provided by a CBR for each socket.

The following short-circuit protection device is built in:

- Miniature circuit breaker (MCB): 63 A, curve Z, magnetic only, IEC 60947-2. Provides short-circuit protection.

Each socket is equipped with the following built-in protection devices:

- Circuit-breaker incorporating residual current protection: CBR, 32 A, type A, $I_{\Delta n}$ = 30 mA, IEC 60947-2.
  Provides type A residual current protection and overload protection.
- Residual direct current detecting device: RDC-DD, $I_{\Delta dc}$ = 6 mA, rated making and breaking capacity I_m = 500 A, IEC 62955.
  Provides DC residual current detection.

In this manual, the term RCD refers collectively to the type A residual current protection provided by the CBR and the DC residual current detection provided by the RDC-DD for each socket. Overload protection is provided by the CBR.

Instructions on how to reset the built-in protective devices can be found in Section 8.3.

4.5 Internet access

Charge Amps Aura 2 supports three internet connection methods: LAN, Wi-Fi and LTE. If multiple connection methods are configured, they are used in the following priority order:

1. LAN
2. Wi-Fi
3. LTE

If the active connection method does not provide internet access, Charge Amps Aura 2 automatically switches to the next available connection method.

4.5.1 LAN connection

LAN is the recommended connection method for the most reliable internet connectivity.

Use a shielded Ethernet cable (STP).

4.5.2 Wi-Fi connection

Charge Amps Aura 2 supports 2.4 GHz and 5 GHz Wi-Fi networks. To ensure a stable connection, verify the Wi-Fi signal strength at the installation location using a Wi-Fi analyzer app. The Received Signal Strength Indicator (RSSI) should be greater than -65 dBm.

If the signal strength is insufficient, consider using a Wi-Fi extender, relocating the Wi-Fi router or selecting a different installation location.

Regulatory requirements for 5 GHz Wi-Fi differ between indoor and outdoor locations. Aura 2 therefore uses separate Indoor and Outdoor profiles. The profile selection only affects 5 GHz operation; 2.4 GHz operation is unaffected.

When configuring Wi-Fi in the installer app, select the profile based on the physical installation location. Select Indoor only if Aura 2 is installed in a closed space within a building. For outdoor, open or partially open locations, select Outdoor. Outdoor is the default profile.

For outdoor installations, the available 5 GHz channels are limited to channels supported for outdoor use. Ensure that the intended Wi-Fi network uses a channel supported by the Outdoor profile. If necessary, reconfigure the Wi-Fi access point to use a channel supported by the Outdoor profile, or use a 2.4 GHz network.

For more information, visit our Help Center at:

Help Center

www.chargeamps.com/support/

4.5.3 LTE connection

IMPORTANT! Small adjustments to the location of Charge Amps Aura 2 can significantly affect the LTE signal.

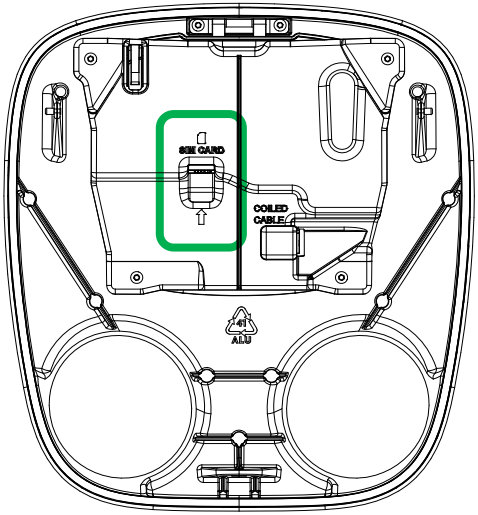
It is NOT possible to daisy chain the 4G connection using the two RJ45 ports of Charge Amps Aura 2.

Charge Amps Aura 2 is equipped with a built-in LTE Cat 1 bis modem with a pre-installed Nano sized SIM card, providing automatic internet connectivity. The first connection to the LTE network may take up to ten minutes. LTE signal strength may vary due to changes in mobile networks, interference, environmental conditions and installation location.

SIM card replacement must only be performed by a qualified electrician or an instructed person.

To replace the SIM card:

1. If the charger is connected to a power supply, switch off the power using the on/off button. If the charger has not yet been installed, proceed to step 2.
2. Unlock the front cover using the supplied key and remove it. Disconnect the spiral cable and place the front cover on a soft non-scratching surface.
3. Locate the SIM card holder on the back of the front cover. Note the orientation of the installed SIM card.



4. Gently press the SIM card inward to release it, then remove it.
5. Insert the replacement Nano sized SIM card in the same orientation and press it inward until it clicks into place.

6. If replacing the SIM card during installation, continue with the installation procedure. Otherwise, connect the spiral cable to the front cover and rest the front cover on the lower body hooks. See Section 5.2, steps 9–10.
7. Switch on the power and wait approximately 3 minutes for the charger to start up and the socket lights to turn steady green. Check the LED indicators described in Section 9.2.5 to verify internet connectivity.*
8. Carefully attach the front cover to its hinges. Ensure no cables protrude or interfere with the front cover. Once fitted, push it firmly towards the housing while pushing the lock cylinder upwards. If the key is inserted, rotate it until the key comes loose.

*If the charger won't connect to the LTE network after a restart, contact support.

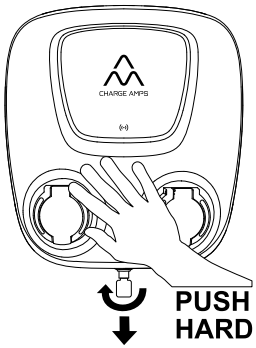
5 Installation

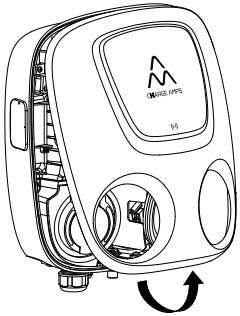
5.1 Mounting

N.B.: Installation shall only be performed by a qualified electrician.

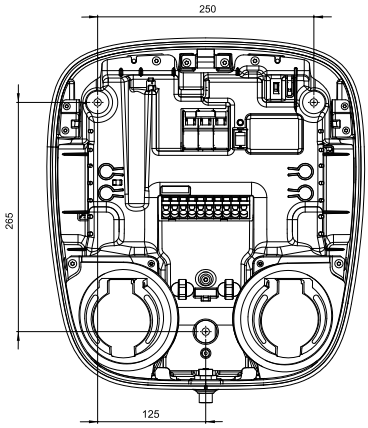
The front cover and charging unit are configured as a matched pair. Do not exchange them with parts from another unit.

1. Unpack Charge Amps Aura 2 and make sure it is in good condition.
2. Unlock the front cover using the included key and rotate the front cover upwards to remove it. Do not place the front cover on an unprotected surface, as this may cause scratches or scuff marks.

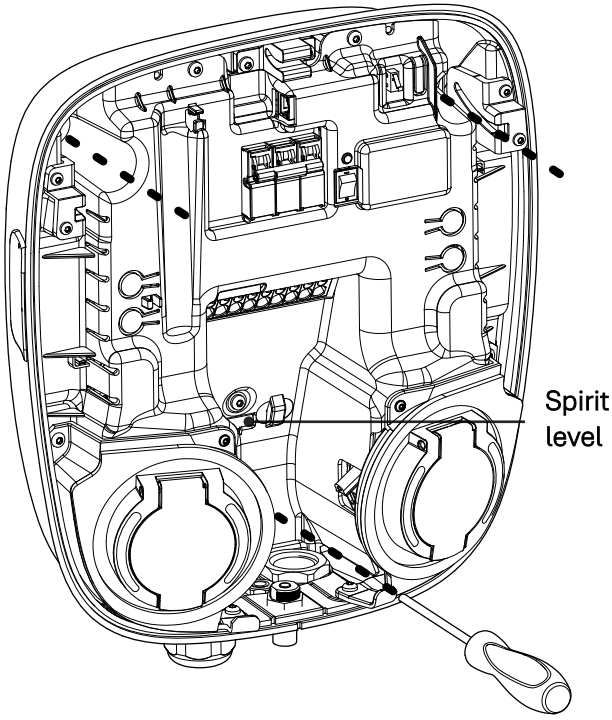




3. Make sure that the mounting surface is flat and mark the mounting holes. For installation on uneven surfaces, seal the mounting holes with a weatherproof exterior sealant suitable for the powder-coated surface and the wall material.



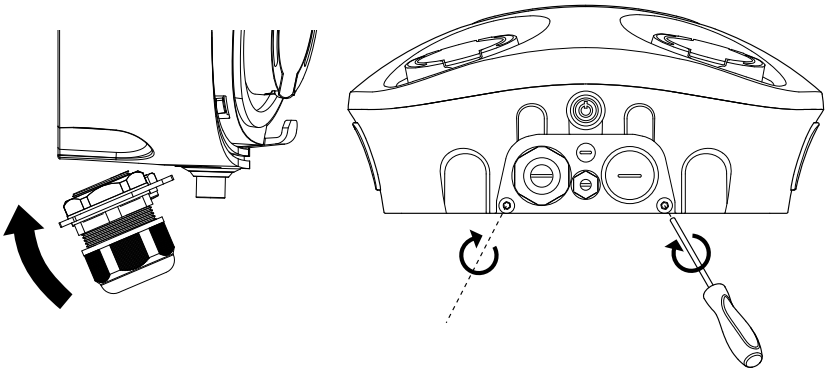
4. Mount the charging unit to the wall. Use the built-in spirit level to make sure the charging unit is horizontal.



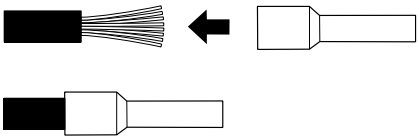
5.2 Cable connection

IMPORTANT! Make sure that the power is turned off at the main switch and that the supply cable is de-energized and isolated from the power supply!

1. Insert the tip of the cable slide and rotate it towards the housing. Attach the cable slide using the two M6 screws from the accessories bag.

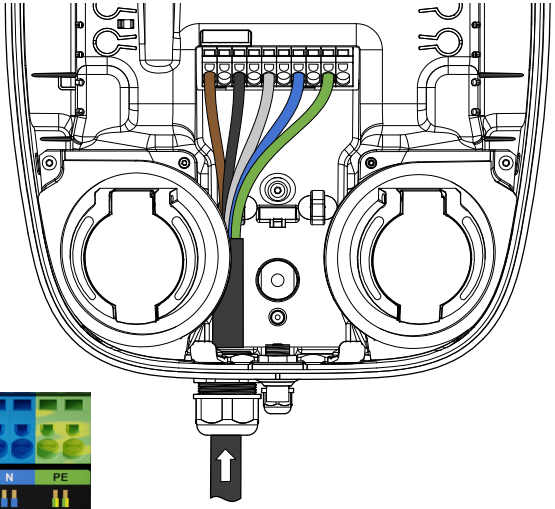


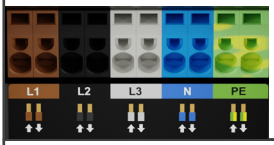
2. Install the cable glands according to the power cable dimensions:
   Ø17–25 mm: Use M32 gland only.
   Ø13–17.5 mm: Use M32 gland with insert.
3. If using LAN, install the cable gland(s) for the data cable and pull the cable(s) through the cable glands before mounting the RJ45 plug(s).
4. Seal any unused cable entries with the plugs provided.
5. Route the power cable through the cable entry.
6. Strip approximately 18 mm of insulation from the conductor ends. Note that stranded conductors must be fitted with ferrules before connection to the terminal block.



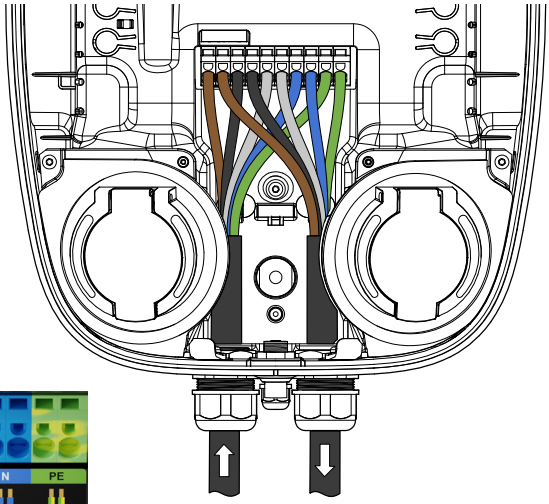
7. Connect the conductors to the terminal block according to the wiring diagram:

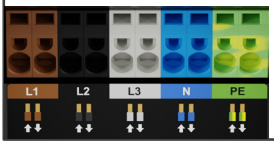
Single installation:





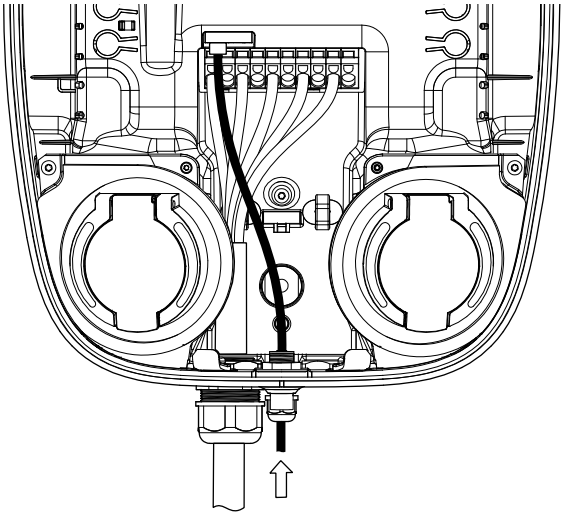
Daisy-chain installation:



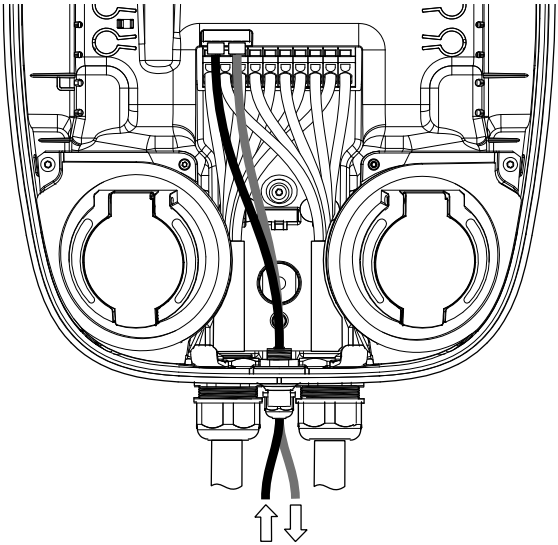


8. If LAN connection is used, route the data cable through the cable entry and connect it to the RJ45 port:

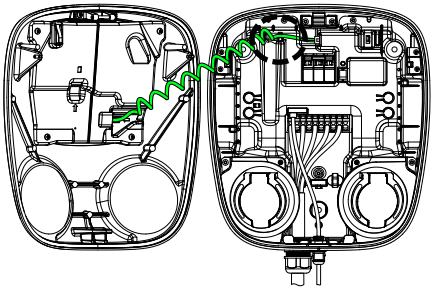
Single installation:



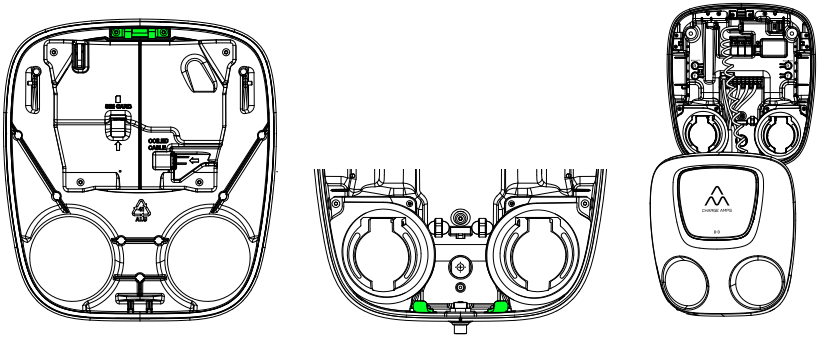
Daisy-chain installation:



9. Connect the front cover by attaching the highlighted spiral cable. Make sure to put the cable behind the strain relief tab in the highlighted area.



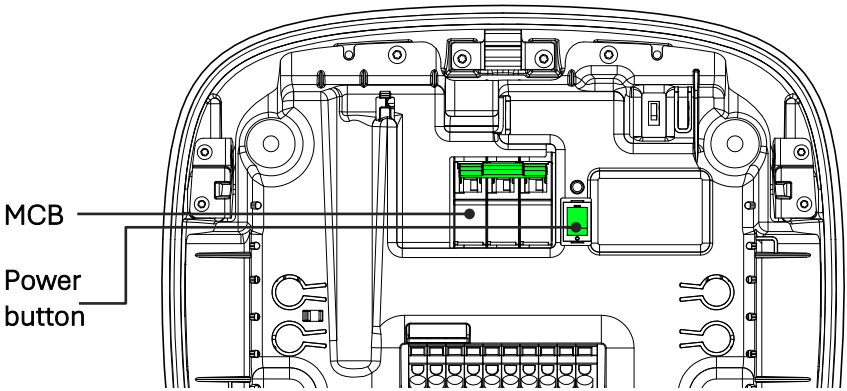
10. Rest the front cover on the lower body hooks.



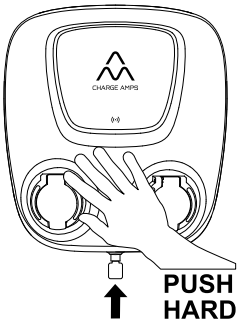
IMPORTANT! Before energizing the product, ensure that all conductors are securely connected. Verify protective conductor continuity by measuring between the incoming PE terminal and the designated earthing point.

11. Turn on the power at the main switch.
12. Set the internal MCB to the “ON” position.

13. Press the Power button to power on the Charge Amps Aura 2. The charging station will start to boot up. Wait approx. 2 minutes until the sockets show a steady green light before proceeding.



14. With the front cover resting on the lower hooks and the spiral cable connected, perform steps 3–7 in **Section 8.4** to test the RCD. Then continue with the next step below.
15. Carefully attach the front cover to its hinges. Ensure no cables protrude or interfere with the front cover.
    Once fitted, push it firmly towards the housing while pushing the lock cylinder upwards. If the key is inserted, rotate it until the key comes loose.



16. Perform a charging session using an EV or an EV simulator to verify correct operation. The factory settings allow a charging test to be performed before configuration.

5.3 Installation on a pole

Charge Amps Aura 2 is compatible with Next Green Poleplate – Charge Amps Aura / Poleplate 330.

For pole mounting, seal the inside of the pole 5–10 cm below the charger to prevent insects from entering the charger through the pole. Ensure that the seal fills all gaps around and between the cables and between the cables and the inner wall of the pole.
Use cable sealing foam or a sealant suitable for the installation environment and compatible with the pole material and cable sheaths. Follow the sealing material manufacturer's instructions.

It is recommended to seal the mounting holes with a weatherproof exterior sealant suitable for the powder-coated surfaces.

6 Configuration

6.1 Device configuration in Charge Amps Installer **App**

> N.B.: The Bluetooth interface used for Installer App communication is available for 60 minutes after start-up. If no connection is established during this period, restart Charge Amps Aura 2 to re-enable Bluetooth.

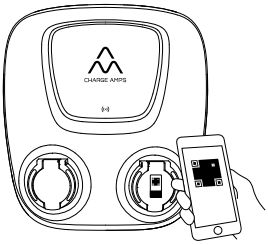
Use the Charge Amps Installer App to configure the electrical settings and internet connectivity.

Google Play

App Store

If using Charge Amps Cloud, it is required to follow the steps in **section 6.2** after the device configuration steps are completed in **section 6.1**.

1. Open Charge Amps Installer App and follow the on-screen instructions
2. Choose “Direct device configuration”
3. Connect to Charge Amps Aura 2 using either of the following methods:
    a. Scan the QR code



    b. Use the Bluetooth interface in the app and enter the PIN code and SERIAL number on the peel-off QR code label.

4. Remove the peel-off QR code label and place it on the designated area on the front page of the Quick Guide.
5. Follow the instructions in the Installer App to configure the charger unit.
6. If multiple charger units are being installed, repeat steps 1–5 for each charger unit.
7. If using Charge Amps Cloud as the charging platform, go to **section 6.2** to finalize the installation.

6.2 Charge Amps **Cloud** configuration

N.B.: Prior to setting up the charger in Charge Amps Cloud, it is required to create a partner account in the Partner Portal

Partner Portal

https://my.charge.space/partner/

Use the Installation Wizard to configure organizations, load balancing settings, users and administrators.

To use the Installation Wizard, Charge Amps Aura 2 must be connected to the internet and to Charge Amps Cloud. By default, it connects automatically via LTE.

To enter the Installation Wizard:

a. Enter the Installation Wizard from the completed configuration screen after a successful device configuration, or
b. Log in to Charge Amps Partner Portal, start the Installation Wizard, and follow the on-screen instructions:

For questions not covered in this manual, contact your supplier or cloud provider.

For additional support, visit our Help Center at:
https://www.chargeamps.com/support

7 Cloud connectivity

Charge Amps Cloud is available for Charge Amps Aura 2.

7.1 Charge Amps **Cloud**

Create an account in Charge Amps Cloud to configure, control and manage your charger via our web interface.

User Portal

https://my.charge.space/

Manage your charger, control access and monitor your charging.

Admin Portal

https://my.charge.space/admin/

For administrators to manage shared chargers, users, and energy reports.

Partner Portal

https://my.charge.space/partner/

For installers to set up and manage customer charging installations.

7.2 Full product information

Visit the Charge Amps Aura 2 product page for complete product documentation.

Aura 2 Product Page

https://www.chargeamps.com/product/charge-amps-aura-2/

8 Usage

8.1 Charge Amps **App**

Download the Charge Amps App to control your charger, adjust settings, and enable smart charging and scheduling.

Google Play



App Store



8.2 Charging with and without RFID identification

8.2.1 Start and stop charging without RFID identification

Start

1. Start charging by connecting the EV connector to the vehicle. Open the socket lid and connect the EV plug to the EV socket.

Stop

2. Stop charging by disconnecting the EV connector from the vehicle and removing the EV plug from the EV socket.

8.2.2 Add an RFID tag

N.B.: Make sure your installer has given you access to Charge Amps Admin Portal to be able to manage RFID tags.

Register the RFID tag in Charge Amps Admin Portal and grant it access to the charging station.

https://my.charge.space/admin/login

8.2.3 Start and stop charging with RFID identification

Start

1. Connect the charging connector to the vehicle's charging inlet.
2. Open the socket lid and insert the EV plug into the charging station's socket.
3. Briefly hold an authorized RFID tag in front of the RFID reader. Wait for approval. Charging starts when permitted by the vehicle and the charging settings.

When both sockets are awaiting RFID identification, the authorization is applied to the vehicle that was connected most recently.

Stop

Charging can be stopped in one of the following ways:

1. Disconnect the EV connector from the vehicle. Once the charging station has released the cable lock, remove the EV plug from the socket.
2. Briefly present the same RFID tag you used to start the charging session.

8.3 Reset of internal protective devices

Charge Amps Aura 2 has built-in protective devices that interrupt charging in the event of a ground fault, overload or short circuit. Each charging socket has its own circuit breaker incorporating residual current protection (CBR), providing ground fault and overload protection, while a common miniature circuit breaker (MCB) provides short-circuit protection for the charger.

8.3.1 Reset the CBR after a ground fault or overload

A ground fault or overload is indicated by a steady red socket light.

Reset of the CBR must only be performed by a qualified electrician or an instructed person.

To reset the CBR:

1. Disconnect the charging cable from the charger.
2. Verify that the socket light turns steady green, indicating that the CBR has been reset.

If the CBR cannot be reset or trips again, stop charging. The fault may be caused by the charging cable or the connected vehicle. Contact your installer or support if the problem persists.

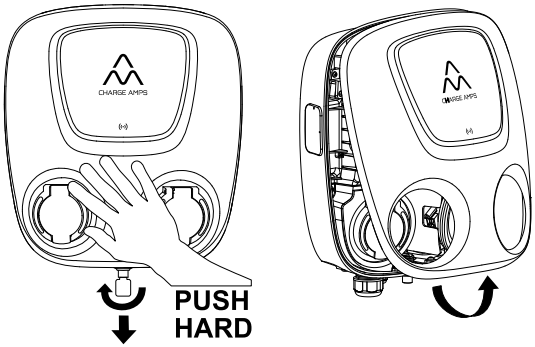
8.3.2 Reset the MCB after a short circuit

If the internal MCB has tripped, charging will not be possible from either socket. If the cause of the short circuit is unknown, contact a qualified electrician before resetting the MCB. Never reset the MCB repeatedly if it trips again.

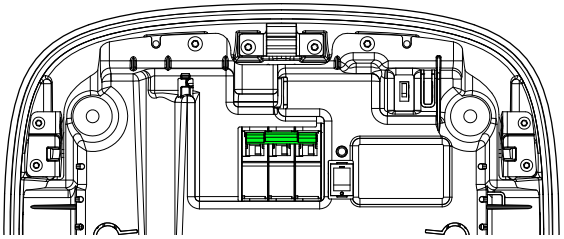
Reset of the MCB must only be performed by a qualified electrician or an instructed person.

The Charge Amps Aura 2 cylinder key is required.

1. Unlock the front cover using the supplied key, as shown.



2. Check whether the MCB has tripped. If so, reset it by setting it to the “ON” position.



3. Before refitting the front cover, make sure the spiral cable is connected to the front cover. Refit the front cover and lock it in place. Verify that the charger returns to normal operation. If the MCB trips again, contact a qualified electrician.

8.4 Test the built-in RCD

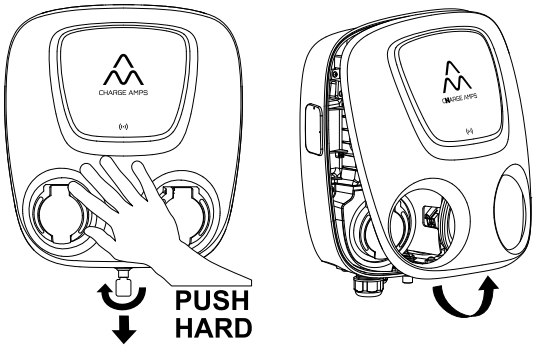
Aura 2 automatically tests its built-in RCD function immediately before each charging session. Periodic testing using the RCD test button is therefore not needed unless required by applicable regulations or the operator's inspection and maintenance procedures.

Test of the built-in RCD must only be performed by a qualified electrician or an instructed person.

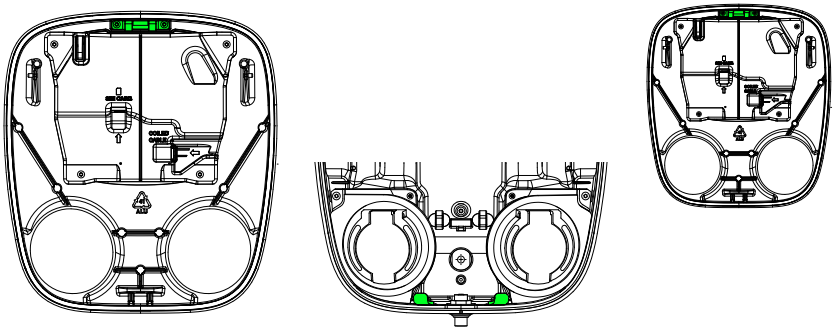
Required equipment:
- Charge Amps Aura 2 cylinder key.
- A charging cable and access to an EV or an EV simulator.

To test the RCD:

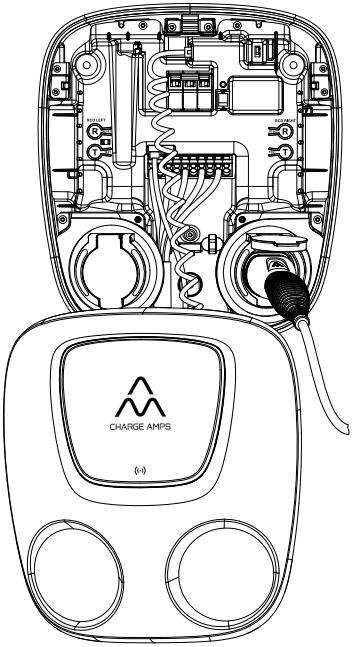
1. Unlock the cylinder lock using the supplied key and rotate the front cover upwards to remove it.



2. Leave the spiral cable connected and rest the front cover on the hooks below the charging sockets.

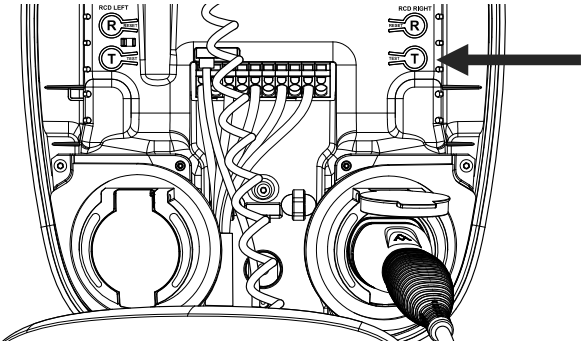


3. Connect an EV or an EV simulator to the right-hand socket of Charge Amps Aura 2 using the charging cable.



4. If RFID authentication is enabled, briefly hold an authorized RFID tag in front of the RFID reader to start charging.

5. When charging starts, press the right-hand RCD test button.

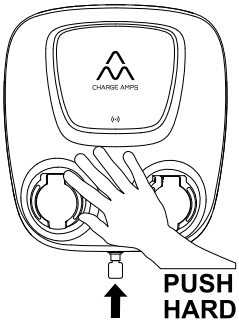


Charging stops and the socket light turns steady red, indicating that the RCD has tripped.

6. Disconnect the charging cable from the charger to reset the RCD. Verify that the socket light turns steady green.

7. Repeat steps 3–6 for the left-hand socket, using its corresponding RCD test button.

8. Carefully attach the front cover to its hinges. Ensure no cables protrude or interfere with the front cover.
   Once fitted, push it firmly towards the housing while pushing the lock cylinder upwards. If the key is inserted, rotate it until the key comes loose.



If the test result differs from what is described above, stop using the affected socket and contact your installer or support.

8.5 Cable lock

The charging cable is automatically locked to the charger during charging.

The charger can be configured to keep the charging cable permanently locked, even when charging is not in progress.

In the event of a power outage, the cable lock is automatically released unless permanent cable locking is enabled.

To configure permanent cable locking, use Charge Amps App or visit User, Admin or Partner Portal:

User Portal	Admin Portal	Partner Portal
https://my.charge.space/	https://my.charge.space/admin/	https://my.charge.space/partner/
Manage your charger, control access and monitor your charging.	For administrators to manage shared chargers, users, and energy reports.	For installers to set up and manage customer charging installations.

9 Displays and indicators

9.1 Energy meter display

Symbol	Description
LR-SW: 2.2 43ECD8A IMP/kWh: 1000 Total energy: 9999999 kWh	Overview of the total energy (kWh) imported by Charge Amps Aura 2 for the outlet on the same side as the energy meter display location.
IMP/kWh: 1000	Impulses per kWh
S/N: ABC0123456789	Energy meter serial number
LR-SW: 2.2 CRC: 43ECD8A2	Legally relevant software version and CRC
LNR-SW: 3.3 CRC: 66585487	Non-legally relevant software version and CRC

9.2 Socket LED indications

9.2.1 General

Status	Socket light	RFID light*
Starting up	White light sequence	Steady white
Ready for charging	Steady green	Steady white**
Waiting for charging cable after authorization	Pulsing white	Steady white
Charging	Pulsing blue	Steady white
Charging complete or charging paused by the vehicle	Steady yellow	Steady white
Charging paused by the charger	Steady blue	Steady white

Charging paused by the vehicle does not necessarily mean that the battery is fully charged.

9.2.2 RFID tag verification

Status	Socket light	RFID light*
Waiting for RFID tag	Steady green	Pulsing white
RFID tag verification in progress	Socket light remains unchanged	Pulsing white
RFID tag approved	Socket light remains unchanged until the charging status changes.	Brief green light, fading out
RFID tag not approved	Socket light remains unchanged	Two red flashes

9.2.3 Other

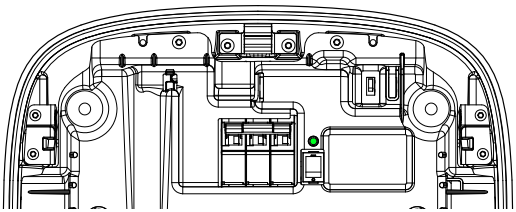
Status	Socket light	RFID light
Error	Repeated double red flashes	Steady white
Ground fault detected	Steady red	Steady white
Firmware update in progress	Pulsing yellow	Off
Socket unavailable for charging	Off	Depends on the other socket; off when both sockets are unavailable

* The RFID light is shared by both sockets. Its indication may change in response to activity or a fault on either socket.

** When both sockets are configured for charging without RFID authorization, the RFID light is off in the ready state.

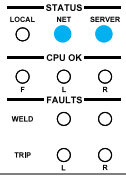
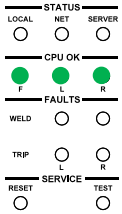
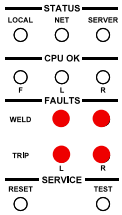
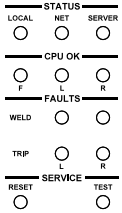
9.2.4 Power LED indicator

Status	MCB	Power LED indicator
Power on	On	Steady green
The fuse protecting the electronics needs to be replaced. Please contact technical support.	On	Steady red



9.2.5 Status LED indications

Charge Amps Aura 2 has a status LED panel under the front cover. The LEDs indicate the status of the electronics and connectivity. The table below describes the states.

LED indication	Description
	**STATUS** Local*: No light – reserved for future use. Net*: Blue = connected to the internet. Server*: Blue = connected to an OCPP server.
	**CPU OK** F*: Flashing green = Front processor is OK. Steady green/no light = fault L: Flashing green = left socket processor is OK. Steady green/no light = fault R: Flashing green = right socket processor is OK. Steady green/no light = fault If a fault occurs, make sure the front cover is connected, then restart the charger. If the fault persists, contact support.
	**FAULTS** WELD: No light = OK, Red = fault, contact support. TRIP: No light = OK, Red = RCD or MCB tripped. Reset the device, see **Section 8.3**.
	**SERVICE (Push buttons)** RESET: Reserved for future use. TEST: Reserved for future use.

* Only available when the front cover is connected.

10 Regular Maintenance

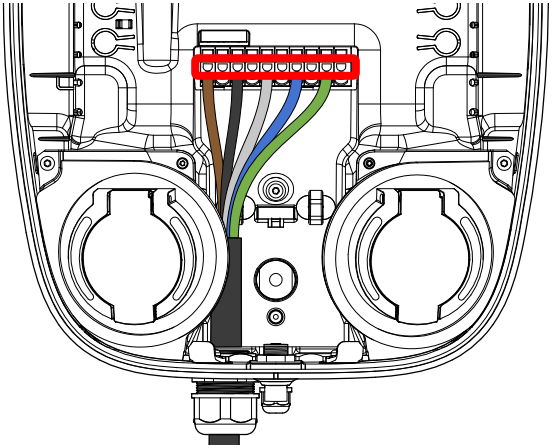
N.B.: Never spray water or any other liquid directly onto the product.

- Inspect the EV socket outlet for damage.
- Clean the exterior with a clean, dry cloth.
  Do not use detergents or cleaning agents on any part of the product.
- Charge Amps Aura 2 automatically tests its built-in RCD function immediately before each charging session. Periodic testing using the RCD test button is therefore not needed unless required by applicable regulations or the operator's inspection and maintenance procedures.
  Instructions for using the RCD test button are provided in Section 8.4.

11 Dismounting

N.B.: Dismounting shall only be performed by a qualified electrician! Follow all applicable national electrical regulations.

1. Turn off the power at the main switch, upstream of Charge Amps Aura 2.
2. Open the front cover, see Section 5.1.
3. Disconnect the LAN and power cables.
   A flat-head screwdriver is required to disconnect the power cables from the terminal block. Insert the screwdriver into the corresponding lever holes, highlighted below, to release the conductors from the terminal block. Release the clamping force from the cable gland and pull the power cables out from the cable glands and isolate them.



4. Support the charger securely while removing the mounting screws to prevent it from falling.

12 Product support and service

For questions not covered in this manual, contact your supplier or cloud provider.

For service, repairs and additional support, visit our Help Center at:

Help Center

www.chargeamps.com/support/

13 Warranty

At Charge Amps, we are committed to delivering charging solutions that embody quality, durability, and intelligent design. That is why your Charge Amps charging station comes with a 5-year warranty.

For full warranty terms and information on how to submit a warranty claim, please scan the QR code or visit the link below.

www.chargeamps.com/warranty/

www.chargeamps.com

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