

Charge Amps **Aura**



User Manual

English



Respect the environment! Must not be discarded with household waste! This product contains electrical or electronic components. Leave the product for separate collection and proper treatment at a designated location e.g. the local authority's recycling station.



In conformity with the relevant EU directives.

Neglecting to follow and carry out the directions, instructions and safety precautions in this User Manual implies that any warranty provisions will be cancelled and that Charge Amps 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.

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1 Safety

WARNING! Read all instructions before installation.

- Improper use may create a risk of personal injury.
- The product must only be installed or opened by a qualified electrician in accordance with the Installation Manual.
- National usage requirements and restrictions apply.
- Only use this product for charging compatible electric vehicles.
- Never use an adapter between the EV socket-outlet and the charging cable.
- Cord extension sets are not allowed to be used.
- Inspect the product for visible damage before use.
- Never attempt to repair or use the product if it is damaged.
- Do not immerse the product in water, subject it to physical abuse or insert foreign objects in any part of the product.
- Never attempt to disassemble the product in any way.
- The owner is responsible for informing users of the compatibility of any charging point.

2 Technical data

Charging mode	Mode 3
EV power supply identifier	
Metering	1 to 3 phase voltage, current and power
Socket	Type 2, up to 2x22 kW
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)	63 A
Rated diversity factor (RDF)	1 (can be lowered if used together with a load balancing functionality)
Dimensions (W x D x H)	367 x 159 x 405 mm
Characteristics of power supply and output	AC EV supply equipment connected to AC supply network, permanently connected.
Assembly type	AECVS
RFID	Type: ISO/IEC 14443 Typ A 13.56MHz Mifare Range: 13.553 – 13.567 MHz Output: 31 dBm

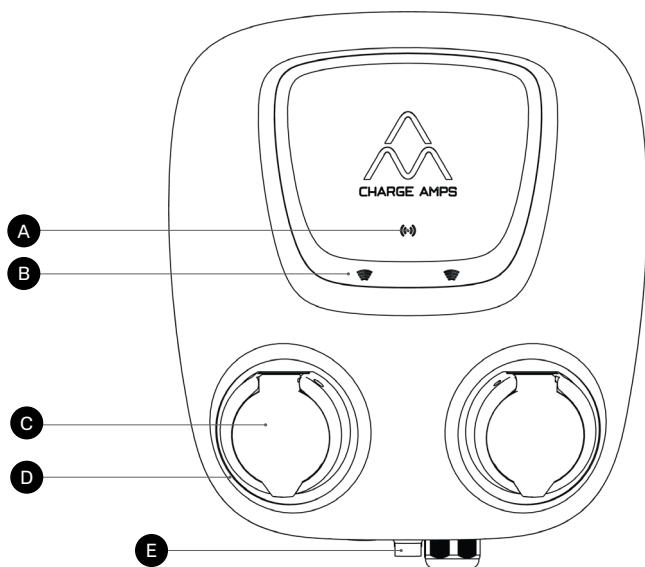
Wi-Fi

Type: 802.11 b/g/n
Range: 2400 – 2500 MHz
Max output: 20/17/14 dBm@802.11
b/g/n

Cellular networks communication
(only applies to Charge Amps Aura
with product number 130908 and
101010-LTE).

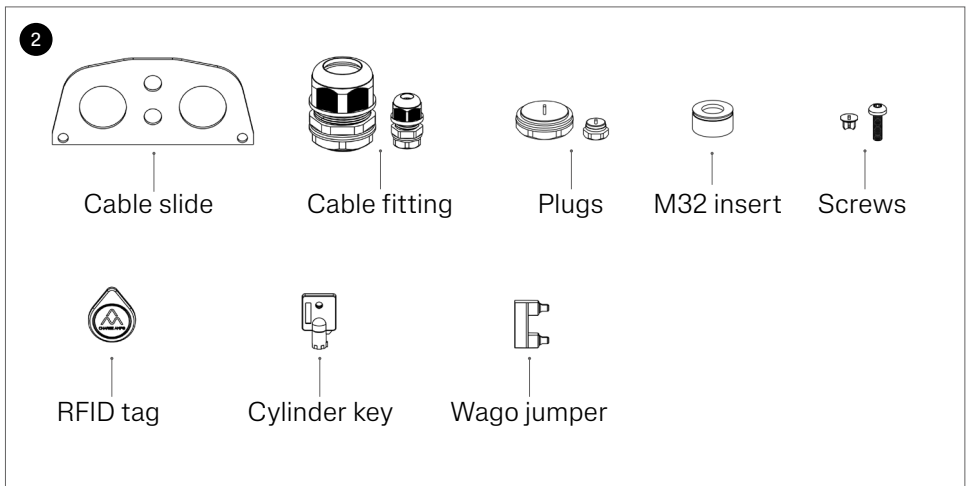
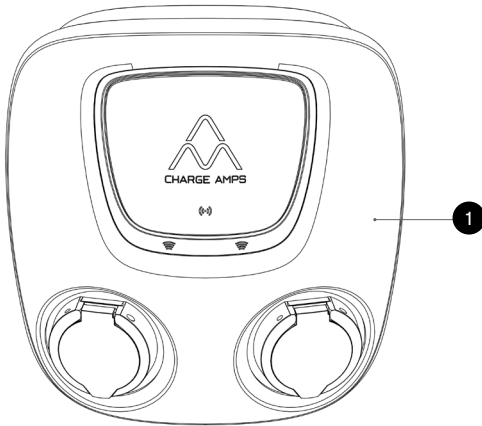
Type: GSM, GPRS, EDGE, UMTS/
HSPA+, LTE
Range: 698 – 960 / 1710 – 2690 MHz
Max. output: 33 dBm@GSM, 24 dBm@
WCDMA, 23 dBm@LTE
SIM Card: Standard SIM (25mm x
15mm).

3 Product overview



- A** RFID reader
- B** RFID light
- C** EV socket-outlet
- D** Socket light
- E** Cylinder light

3.1 Package contents



❶ Charge Amps Aura

❷ Accessories:

- Cable slide
- Cable fitting for power (M32): 13 - 17.5 mm and 17 - 25 mm
- Cable fitting for data (M12): 4 - 8 mm
- Plugs for non-used cable entries
- M32 insert only
- Screws
- 2x RFID tags
- 2x Cylinder lock keys
- Wago jumper for IT network connection (MPN: 2016-433)

Additional contents:

- Document with serial number and password
- Quick Guide User

4 Use

4.1 Add RFID tag

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

Add RFID tag using the Charge Amps cloud service:
<https://my.charge.space/admin>

4.2 Start and stop charging without RFID identification

1. Initiate charging by connecting the EV connector to the car. Then connect the EV plug to the EV socket-outlet.
2. Stop charging by disconnecting the EV connector from the car and disconnect the EV plug from the EV socket-outlet.

4.3 Start and stop charging with RFID identification

1. Initiate charging by connecting the EV connector to the car. Then connect the EV plug to the EV socket-outlet.
2. Briefly hold the RFID tag in front of the RFID reader to initiate charging.

N.B: If the other EV socket-outlet is not in use, it will turn dark and be unavailable for 5 minutes during the verification of the RFID tag. If no RFID tag has been verified during these 5 minutes, charging needs to be initiated remotely or reactivated by unplugging and reconnecting the vehicle connector.

3. Stop charging by disconnecting the EV connector from the car and disconnect the EV plug from the EV socket.

4.4 Cable lock

During charging, the cable lock on the charging station is automatically activated.

To permanently lock the EV charging cable to Charge Amps Aura while not charging, use Charge Amps App or cloud.

4.5 Cloud connectivity

Charge Amps Cloud and Charge Amps App are available for Charge Amps Aura connected to Charge Amps as the cloud provider.

Charge Amps App

Please download Charge Amps App for full control, adjusting settings and enabling smart charging and scheduling.



Charge Amps Cloud

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



My Charge Space →

<https://my.charge.space/>

Full product information

Visit www.chargeamps.com for Charge Amps Aura Installation Manual, Charge Amps Aura User Manual and other product documentation.



Product information →

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

4.6 LED indications

4.6.1 General

Status	Socket light	RFID light
Ready for charging	Green light	-
Charging	Blue light	-
Charging complete (paused by vehicle)	Yellow light	-
Charging paused (paused by Aura)	Flashing blue light/yellow steady light*	-

* Depending on version

4.6.2 RFID tag verification

Status	Socket light	RFID light
Waiting for RFID verification	Yellow light	Flashing blue light
RFID tag not approved	Yellow light	Red light*
RFID tag approved	-	Green lights up

* Auto-return to "Waiting for RFID verification"

4.6.3 Other

Status	Socket light	RFID light
EV socket-outlet not available for use	No light	No light
Error	Red light	No light

5 Maintenance

5.1 Regular maintenance

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

- Visually check that the EV socket-outlet is free from damage.
- The outside of the product must be regularly wiped with a clean, dry cloth to remove dirt and dust.
- Do not use detergent to clean any of the product's components.

5.2 Preventative maintenance

N.B: Preventative maintenance should be performed by a qualified electrician once or twice each year to check that Charge Amps Aura is in good condition.

- Remove the front cover and make a visual check of the cable connections.
- Gently rock the internal RCBO to make sure it's properly seated.

6 Product support and service

If you have any questions or problems with the product, support is always available. To find answers to your questions most quickly: Read through this User Manual to check whether your questions are answered here.

If your question is not answered in the User Manual, please:

1. Contact your supplier or cloud provider.
2. If you need service or repair, start by contacting the supplier from whom you purchased the product.
3. For additional information, visit our Help Center at:
www.chargeamps.com/support.

7 Warranty

Warranty terms may differ from market to market. Contact your supplier regarding the warranty terms.

www.chargeamps.com

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