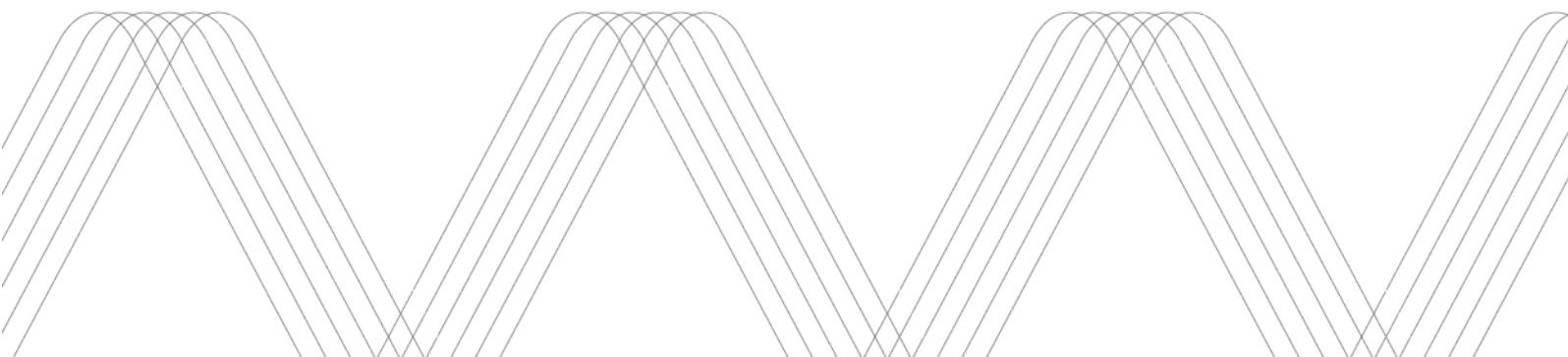# Charge Amps **Aura**

User Manual

Care for the environment! Must not be discarded with household waste! This product contains electrical or electronic components that should be recycled. Leave the product for recycling at the designated station e.g. the local authority's recycling station.

Disposal of the product must comply to the local environmental laws and guidelines. The product consists of recycled aluminium, plastic, and electronics, and should be recycled as specified for these materials.

CE Approved in accordance with the relevant EU directives.

Neglecting to follow and carry out the directions, instructions and safety precautions of this 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.

The manufacturer does not give any warranties as to the accuracy or completeness of this document and shall have no liability for the consequences of use of such information. The manufacturer reserves the right to make changes to information published in this document without notice. Visit www.chargeamps.com for the latest document releases.

1. Safety

WARNING! Read all instructions before use.

- Improper use may create a risk of personal injury.
- The product must only be installed by a qualified electrician in accordance with the Installation Manual.
- National installation 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.
- 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.
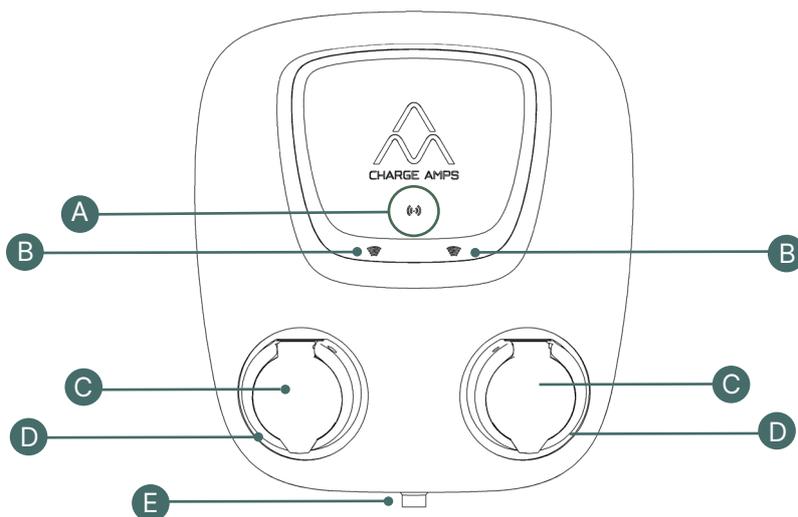
2. Technical Data

Article number	101010 / 101010-LTE*
Charging standard	Mode 3
EV power supply identifier	⬡ c
Identification	RFID(i/a) HF, 13.56 MHz
Internet connection	WiFi 802.11b/g/n, 2.4 GHz
Metering	3-phase voltage, current and power
External RCD needed	No
Operating temperatures	-30 °C to +45 °C
Voltage	230/400 V
Sockets	2 x 22 kW Type 2
IK-rating	IK10
IP-rating	IP55
Dimensions (B x D x H)	367 x 159 x 405 mm

Weight	10 kg
RFID Frequency Range	13.553 – 13.567 MHz
RFID Output	31 dBm
WiFi Frequency Range	2412 - 2484 MHz
WiFi Output	802.11 b/g/n: 20/17/14 dBm

*Specification of 101010-LTE	
RF Technology	GSM, GPRS, EDGE, UMTS/HSPA+, LTE
Max RF output	32 dBm@GSM, 24 dBm@WCDMA, 23 dBm@LTE
RF Range	698 - 868 / 1650 – 2690 MHz
SIM card	Standard SIM

3. Product Overview

3.1. Parts

A. RFID reader
B. RFID light
C. EV socket
D. Socket light
E. Cylinder lock

3.2. Contents of the package

- Charge Amps Aura
- Cable slide with fittings, plugs and screw
- Two keys for the cylinder lock (*Only to be opened by a qualified installer during installation*)
- Two RFID cards
- Quick Guide User

4. Use

4.1. Cloud service & App

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

For Charge Amps Auras connected to other cloud providers, please refer to your cloud provider for inquiries about portals and apps.

Charge Amps **App**

Charge Amps **Cloud**

https://my.charge.space/

Visit link to find full product documentation.

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

4.2. Add RFID card

Add RFID cards using the cloud service.

4.3. Charging without RFID identification

1. Connect the EV connector to the car. Lift the socket cover and connect the EV plug to the EV socket.

2. Disconnect the EV connector from the car and disconnect the EV plug from the EV socket.

4.4. Charging with RFID identification

1. Connect the EV connector to the car. Lift the socket cover and connect the EV plug to the EV socket.

2. Briefly hold the RFID card in front of the RFID reader to initiate charging.

    If the other socket is not in use, it will turn dark and be unavailable for use during the 5 minutes RFID verification time window.

    If no RFID card has been verified during the 5 minutes time window, charging needs to be initiated remotely or reactivated by unplugging and reconnecting the EV connector.

3. Disconnect the EV connector from the car and disconnect the EV plug from the EV socket.

4.5. Cable lock

During charging the cable lock is automatically activated.

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

4.6. Status Indications

Status	Socket Light	RFID Light
Ready for charging	Green light	No light
Charging	Blue light	Green light
Waiting for load balancing	Flashing blue light	No light
Waiting for RFID verification	Yellow light	Flashing blue light
Charging complete	Yellow light	No light
RFID card not approved	Yellow light	Red/Flashing Blue light *
RFID verification timeout	Yellow light	Red light
Error	Red light	Red light
EV socket not available for use	No light	No light

* Auto return to *Waiting for RFID verification*

5. Maintenance

WARNING! Never spray water or any other liquid directly on the product.

5.1. Regular maintenance

- Visually check that the EV connector 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 components.

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 the user manual to check whether your questions are answered there.

1. If your question is not answered in the manual, please 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, see chargeamps.com/support.

7. Warranty

As warranty terms may differ from market to market, we recommend that you contact your supplier regarding the warranty terms.