

⚠ Never turn on equipment when there is evidence of fire or structural damage.

⚠ Green Motion Home must be installed only by professional and qualified personnel.

⚠ During installation, unplug Green Motion Home. Read and understand the safety instructions and warnings prior to installation.

1. Preparation and mounting

Instructions

- The Green Motion Home is intended for indoor or outdoor installation.
- Optimal operation of the unit is in the temperature range -25 °C to +45 °C.
- The unit must be transported and stored in indoor locations in the temperature range -25 °C to +45 °C.
- The unit must be used and stored in locations with relative humidity below 95%.
- The unit must be used below a maximum altitude of 2000 m above sea level.
- The unit must be used in locations free from acids, gases or other corrosive substances.
- In case of a wall-mounted unit, the surface of the wall must be able to carry the unit's weight (max. 8 kg).
- In case of missing accessories, contact your Eaton technical support representative using the email address BGTECHSupport@eaton.com.

The contents of the Green Motion Home box

- Green Motion Home EV charger.
- Quick start guide.
- Safety guidelines.
- EV connector, depending on customer configuration:
 - Type 2 connector with cable (Mode 3).
 - Type 2 connector with female socket (Mode 3).
- Four adhesive gaskets.
- Drilling template.
- Leaflet (white) containing factory hot spot details.

- Leaflet (green) containing unique device identification code (UUID) required to pair charger with mobile app.
- Floor-mounted column (optional).
- Cable holder (optional).

Mounting the Green Motion Home on the wall

- Use a spirit level to place the drilling template on the wall. Make sure the template's top is at a height of 1500 mm from ground level, for optimal accessibility.
- Mark the holes with a pencil and remove the installation template.
- Drill four holes in the wall corresponding to the mounting slots of the Green Motion Home, as shown in Figure 1.
- Place four gaskets around the four slots on the outside of the unit, as shown in Figure 2.
- Fix the unit to the wall with four Ø6 mm screws.
- The appropriate type of plastic plugs and screws must be selected by a professional installer, based on the following considerations:
 - the installation location,
 - the type of the wall.

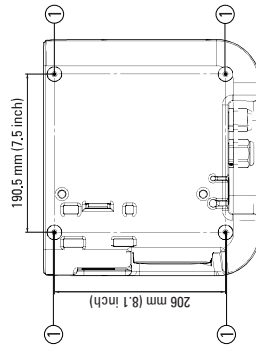
Mounting the Green Motion Home on the column (optional)

- For instructions on how to install the Green Motion Home on a floor-mounted column, please refer to the Green Motion Home documentation on www.eaton.com.

Installation checklist for Eaton Green Motion chargers

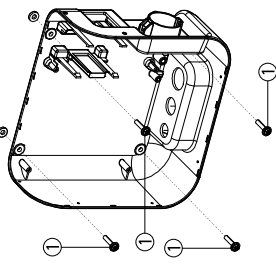
- Please visit the link or scan the QR code (Figure 8) to fill out the installation checklist form: <https://content.eaton.com/en-gb-installation-checklist-ev-chargers>

Figure 1. Drilling plan for the Green Motion Home with dimensions (mm)



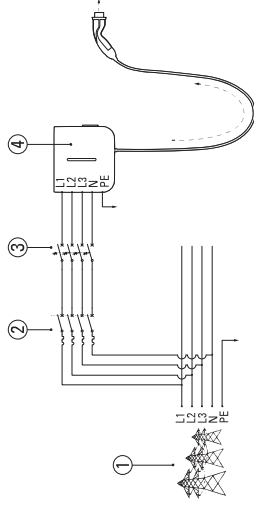
Number	Description
1	Ø6 mm screw

Figure 2. The Green Motion Home with fixing screws and gaskets



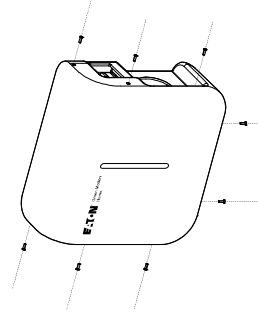
Number	Description
1	Ø6 mm screw

Figure 3. Green Motion Home EV charger wiring



Number	Description	Number	Description
1	Grid	3	Type A RCD according to IEC61851-1:2017
2	Circuit breaker	4	Green Motion Home

Figure 4. Location of the eight screws of the Green Motion Home housing



2. Electrical connections and unit switch-on

Standard wiring

- Each EV charger must be connected via a separate RCD (Residual Current Device / fault-current circuit breaker), if required by local regulations. No other consumers may be connected to this circuit (Figure 3).
- Refer to the installation manual and local standards for further details on requirements in terms of circuit breakers and minimal cross-sections of conductors.

Electrical connections and terminals

- Open the housing of the Green Motion Home by unscrewing the eight screws as indicated in Figure 4.
- When removing the cover of the unit, please make sure to not break any cables from the electronic board.
- Disconnect the connection cables from the front cover.
- Insert the power supply cable from the bottom of the unit. Remove the cable glands, if necessary.
- The electrical connection is made on the power supply terminals located at the bottom-right of the electronic board of the unit (Figure 5).
- In case of three phases, connect the phases (L1, L2, L3), neutral (N) and earth (PE) wires of the AC (distribution) grid to the power supply terminal block respecting the correct assignment (Figure 5).
- In case of single phase, connect the phase (L1), neutral (N) and earth (PE) wires of the AC (distribution) grid to the power supply terminal block respecting the correct assignment (Figure 5).
- It is prohibited to connect the unit to a grid circuit with a 3-phase IT grid configuration.

Figure 5. AC grid connectors inside Green Motion Home

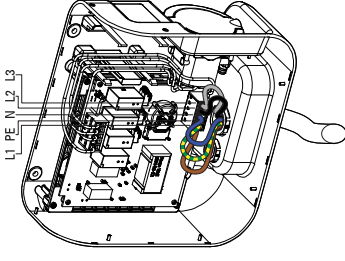
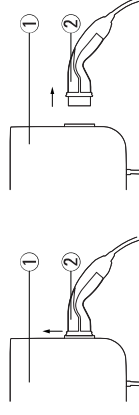


Figure 6. Two-step process to remove the plug



Number	Description
1	Green Motion Home EV charger
2	Plug

Limit maximum capacity

- You can limit the output power of the Green Motion Home through the switch DP1 located on the backside of the front cover.
- Refer to Table 1 to select the appropriate configuration of the unit depending on the maximum capacity of your electrical installation.

Unit switch-on

- In case of a wall-mounted Green Motion Home: Check that the unit is correctly fixed to the wall in accordance with local regulations.
- In case of a unit mounted on a column: Check that the unit and the column are correctly installed in accordance with local regulations.
- Check that the AC GRID connections have been made correctly in accordance with local regulations.
- Perform the checks on continuity of the connections of the protective conductor, insulation resistance, RCD tripping current, tripping time, etc., in accordance with local regulations.
- Verify that the housing cover is closed and secured with the fixing screws.
- If the checks listed above were successful, proceed as follows:
 - Turn on the AC GRID circuit breakers.
 - Wait for the LED light to turn on.

Configuration and commissioning of the charger

- The unit is ready for use if the LED indicator lights up green.
- To remove the plug from the charger, you need to pull the plug vertically then horizontally as indicated in Figure 6.
- To control the access through your phone, download the Eaton Green Motion Charger controller application using the QR code shown in Figure 7.

Table 1. Configuration to limit maximum capacity of the EV charger

Green Motion Home version: 11 kW	Green Motion Home version: 22 kW	Switch position
8 A	16 A	
10 A	20 A	
13 A	26 A	
16 A	32 A	

Figure 7. QR code to download the Eaton GM Charger controller Android and iOS apps



Figure 8. QR code to access the installation checklist form

