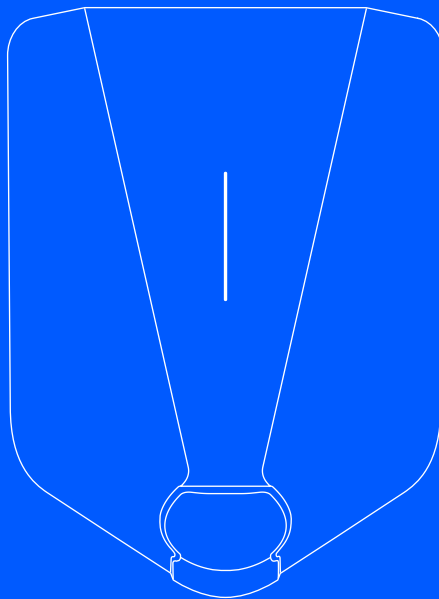


easee



EN Installer and user guide

Easee Plug & Play

Introduction

Read the Important product information guide in the product packaging or at easee.com/manuals before installing the product.

Installation of this product requires a mobile device with NFC or Bluetooth support. Operation of the product using the Easee App requires a mobile device with Bluetooth support.

WARNINGS AND CAUTIONS

A Warning indicates a condition, hazard or unsafe practice that can result in serious personal injury or death.

A Caution indicates a condition, hazard or unsafe practice that can result in minor personal injury or damage to the product.

WARNING

This product shall only be installed, repaired or serviced by an authorised electrician. All applicable local, regional and national regulations for electrical installations must be respected.

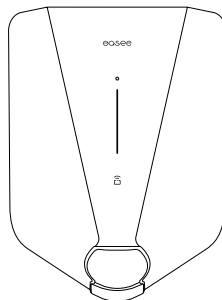
PIN code

The PIN code is required for installation and located on the front of the Chargeberry. It is recommended to keep the PIN code for safe keepings, e.g inside the fuse cabinet.

Product overview

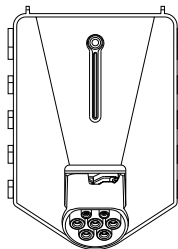
Front cover

Protects the electronics from external influences.



Chargeberry

Contains the electronics for charging the vehicle.



Front cover tool

Used for removing the front cover, after the screw has been removed.



Technical specifications

General

Dimensions	256 x 193 x 106 mm (H x W x D)
Wall mounting	c/c 160 x 125 mm (H x W)
Operating temperature	-30 °C to +40 °C
Weight	1.5 kg

Sensors and indicators

Light strip with LEDs showing the status of the charger

Touch button

Temperature sensors in all main contacts

Charging

Charging power	1.4–22 kW 6 A 1 phase – 32 A 3 phase (automatically adjusted in relation to available capacity) Up to 7.36 kW at 32 A 1 phase Up to 22 kW at 32 A 3 phase
Connection point	Type 2 socket (IEC 62196-2)
Number of phases	1 or 3 (fully dynamic)
Voltage	3x 230/400V AC (±10%)
Mains frequency	50/60 Hz
Easee Home	Load balancing of up to 3 units per circuit
Easee Charge	Load balancing of up to 101 units per circuit
Built-in energy meter (±2 %)	

Connectivity

Built-in eSIM (LTE Cat M1/ 2G /GPRS)

WiFi 2.4 GHz b/g/n connection

Easee Link RF™

Bluetooth BLE 4.2

Control charging via Easee App

RFID/NFC reader

OCPP 1.6 via our API

Protection

Integrated overload protection according to EN IEC 61851-1:2019, 13.1.

Integrated RCD type A 30 mA AC according to EN 60947-2, and 6 mA residual direct current detecting device (RDC-DD) complying with IEC 62955, 9.9.

Rated conditional short-circuit current (I_{cs})	500 A (does not provide overcurrent protection according to EN 60947-2)
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Degree of protection	IP54 (the backplate is IP22 without cover)
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Impact resistance	IK10
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Insulation class	I
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Pollution degree	4 (installation environment)
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EMC Classification	Class A & Class B
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Overvoltage category	III
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Installation

Installation network	TN, IT or TT (detected automatically)
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Installation circuit breaker	Max 40 A (Easee Home) Max 80 A (Easee Charge) (Instantaneous trip, maximum 75 000 A ² s) ²
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Wire material	Copper; solid, flexible, stranded
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Wire cross-section	2.5 to 16 mm ² (single conductors)/ 2.5 to 10 mm ² (parallel conductors, max 63 A through the backplate) PE cross-section must be equal to or larger than the phase wire cross-section Cable dimensions must adhere either to IEC 60364-5-52 or local regulations
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Cable diameter	8-22 mm
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Terminal torque	5 Nm
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Cable strip length	12 mm
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² Complying with IEC 60947-2, IEC 60947-6-2 or IEC 61009-1 or with the relevant parts of the IEC 60898 series or the IEC 60269 series.

Installation instructions

⚠ WARNING

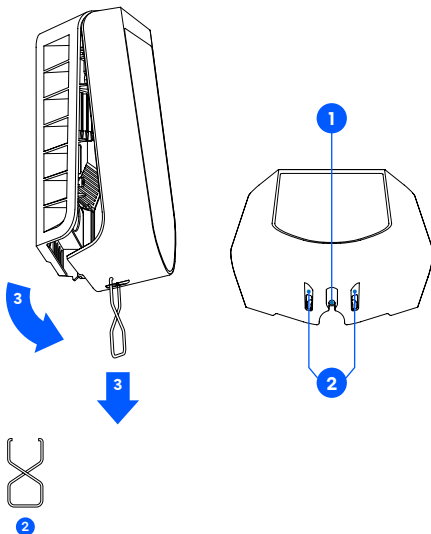
If the Easee Ready is installed in your private home, we recommend that you turn off the power before continuing the process of installing the Chargeberry. If for some reason it is not possible to turn off the power - for instance, if the charger is part of a shared charging system - be careful and follow the instructions.



We recommend that you watch the installation videos on our website: support.easee.com.

1 Easee Ready Opening

- 1 Unscrew the locking screw at the bottom of the Easee Ready.
- 2 Insert the two ends of the front cover tool into the two openings at the bottom of the Easee Ready cover.
- 3 Pull until the cover comes loose and lift the cover from the bottom and upwards.



2 Chargeberry Attaching

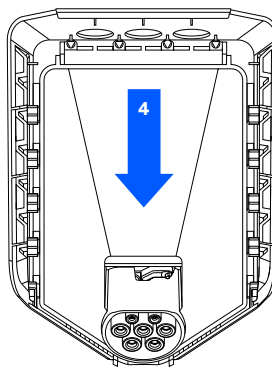
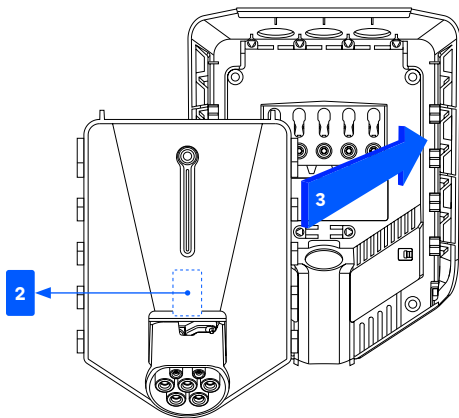
⚠ WARNING

Insulation testing must be performed **before** a Chargeberry is installed in the backplate. Testing the circuit insulation with the Chargeberry installed in the backplate may damage the electronics or impact the reading negatively.

⚠ WARNING

Do not touch the electrical terminals or wires inside the backplate, they are electrically live.

- 1 Turn on the power. The terminals of the backplates are now electrically live.
- 2 Remove the PIN code sticker and attach it to the inside of the fuse cabinet, or another safe location for storage.
- 3 Position the Chargeberry to fit into the slots on the backplate located in the center of the installation.
- 4 When the Chargeberry is in the track, press it forcefully down until you hear a "CLICK".



"CLICK!"

3 Front cover Closing

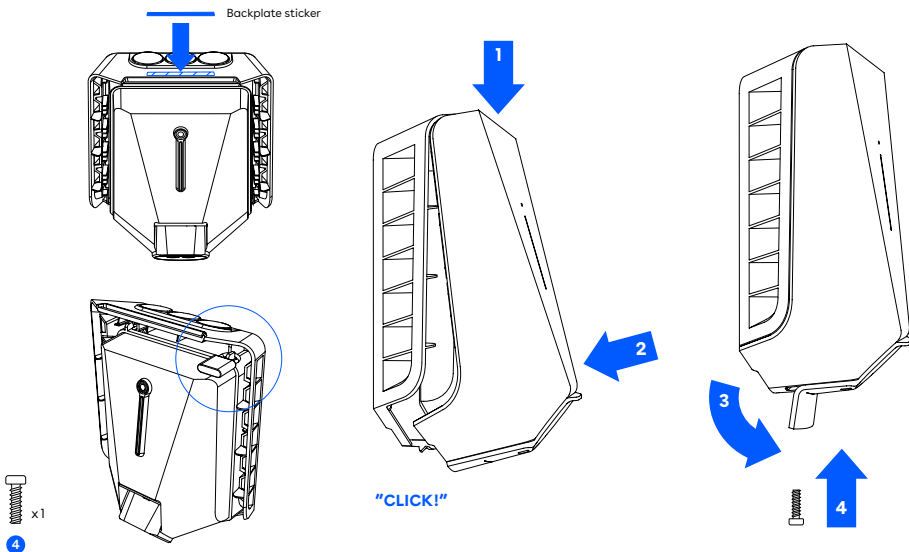
If you have received a backplate sticker, clean the area on the top of the backplate shown below using the provided disposable wipe. Place the sticker and press firmly to secure it.

Before closing the front cover, it is possible to lock the Chargeberry with a padlock (see [Practical details](#)).

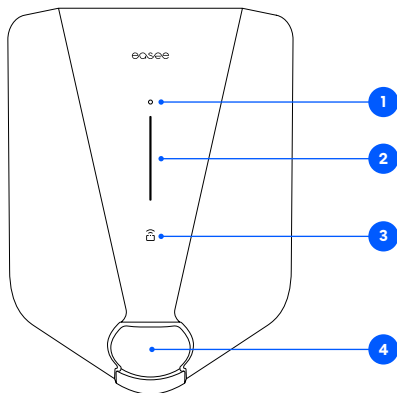
- 1 Hang the front cover at the top of the backplate and let it fall into place.

- 2 Press the bottom of the front cover until you hear a click.
- 3 Bend the lower part of the rubber cover down.
- 4 Screw in the front cover screw at the bottom of the charger to secure the front cover.
NOTE! The locking screw is necessary to secure the cover and protect the charger from exposure.
- 5 Close the rubber cover. If the cable is inserted from the bottom, you can cut a corresponding hole in the rubber cover to ensure a neat installation.

The charger is now ready for testing according to local regulations. Once complete, transfer ownership to the owner via the Installer App.



Features



1. **Touch button:** The touch button is used to activate Bluetooth. Bluetooth connection in the app allows for local operation of the charger when no internet is available. Read more about the local interface at: [easee.com/support/bt](https://support.easee.com/support/bt)
2. **Light strip:** The light strip communicates the status of the Charging Robot at all times. (See [Charging Robot interface](#)).
3. **RFID area:** The integrated RFID reader enables access control of the Charging Robot and identification of different users. You can use it to unlock the charger with an Easee Key. Check our knowledge base at support.easee.com for more details on how to add and manage your Easee Keys.
4. **Type 2 socket:** The Type 2 socket is completely universal and allows you to charge any type of electric vehicle using the appropriate charging cable. Furthermore, it is possible to permanently lock the charging cable, so you do not have to worry about it being stolen.

NOTE: Adaptors should not be used on the charger or the charging cable. The charging cable must have appropriate sockets on each end.

How do I charge?

Read the Important product information guide in the product packaging or at easee.com/manuals before using the product.

Operation of the product using the Easee App requires a mobile device with Bluetooth support.

Make sure that the following requirements are met before using the Charging Robot:

- The product and its electrical connection has been installed by an authorised electrician according to the Installer guide.
 - The charger is properly configured.
 - The software is up to date (see the [Charging Robot interface](#)).
 - If you have set up access control, unlock it by using a registered RFID tag (see the [Features](#)) or disable it from the Easee App or the local interface.
1. Check the charging cable and connector for damage and impurities such as foreign objects and water ingress before charging.
 2. Connect the charging cable to the Charging Robot and your electric car. The charging process starts and adapts automatically to the electric car and the available energy at any time according to the configuration.

If the car does not start charging, check that charging is activated in your car and that the connectors are properly plugged in. If charging still does not start, check what might be the cause on the [Charging Robot interface](#) section.

Smart charging

Some operators offer smart charging which will delay charging to a suitable point in time, often tied to electricity price or similar mechanisms. When Smart charging is active the LED strip is lit blue, charging will not start until the operators criteria for charging is met. Contact you operator to know more and to find out if they offer this service.

Apps and interfaces

Easee App

The Easee App gives full control and status over your charger. It's intended for everyday use of your Easee products, through the Easee Cloud.

To download the app, scan the QR code or go to:

easee.com/app



Local interface

The local interface is intended for local operations of the charger when no internet is available.

Read more about the local interface at:

easee.com/support/bt

Easee Portal

The Easee Portal is a tool intended for administration of one or several Easee sites. The Portal is mainly intended for site owners, installers, administrators, service providers and people who need to manage several products and sites from one interface.

Go to support.easee.com for more information on our interfaces.

Charging Robot interface

Light description	Status
White - constant light, only at the bottom 2 LEDs - master unit / 1 LED - secondary units	Standby
White - constant light	Car connected
White - pulsating light	Charging in progress
Blue - constant light	Smart charging enabled (car connected)
Blue - pulsating light	Smart charging in progress
At startup, the LEDs turn on one by one. When the charger is updating, one or more LEDs will flash green while this is in progress.	Updating software (updating can take up to 30 minutes) NOTE! The car must be disconnected before a software update can be completed.
White - flashing light	Waiting for authentication by an RFID tag. Hold the RFID tag against the RFID area of the Charging Robot in order to authenticate and initiate the charging.
White - fast flashing light	RFID-tag received (awaiting key verification)
Red - flashing light, with warning sounds	⚠ WARNING Critical error! Turn off the power and remove the charging cable from the Charging Robot. The power can then be turned back on if necessary. The flashing red light will continue, but the warning sound will stop when the charging cable is disconnected. The charger is blocked from further use, cannot be reset and has to be replaced. Contact customer support.
Red - flashing light	⚠ WARNING Critical error! The charger is blocked from further use, cannot be reset and has to be replaced. Contact customer support.
Red - constant light	General error. Unplug the charging cable and replug it to the Charging Robot. If the red light persists, check the Easee App or our knowledge base ¹ for further information.
Red - constant light, with warning sounds	Wires are connected incorrectly. Consult an authorised electrician.

¹ Easee public knowledge base can be found at support.easee.com.

Light description	Status
Red - pulsating light	The Charging Robot has measured an abnormal temperature and has entered in safe mode. Please go to our knowledge base ¹ for further information.
White - flashing light, only at the bottom	The Charging Robot is searching for its master unit. Please check the status of the master unit. For further information, please check our knowledge base ¹ .
Yellow - flashing light, only at the bottom	The Charging Robot is waiting to be configured. Consult an authorised electrician.

¹Easee public knowledge base can be found at support.easee.com.

Maintenance

General maintenance

- Ensure that the charger does not have any signs of mechanical damage.
- Visually inspect the Type 2 socket for wear and tear at regular intervals according to local regulations. If the pins are discoloured or damaged, please contact your authorised electrician.

Cleaning

The product does not require cleaning to operate properly. Nevertheless, if the product needs to be cleaned for cosmetic reasons, this is possible.

- Use a damp cloth and an all-purpose household cleaner. Avoid using strong chemicals that contain oil or alcohol, as this will discolour the plastic.
- Do not use running water or high pressure water jets.

Repair

If your charger needs to be repaired, please contact your Easee supplier.

Returns and complaints

Contact your distributor or Easee Customer Support regarding the return and complaint of your product.

Customer support

Download the latest manuals, find answers to frequently asked questions and useful documents and videos for your product at support.easee.com.

Practical details

Warranty

The device is free from material defects and is in accordance with laws and regulations for consumer protection in the country where the product is purchased. All correctly installed Easee hardware is covered by our 3 years* limited warranty. If your charger needs to be repaired within this warranty period, please contact your Easee supplier. Further information can be found at support.easee.com.

*Some countries may have extended warranty.

Padlock

It's possible to lock the electronics with a padlock. This will create an extra layer of security (padlock is not included).

Max total lock height	56 mm
Shackle height (outer dimensions)	19 - 20 mm
Shackle thickness	3.2 - 4 mm

Contact details

Easee ASA
Vassbotnen 23
4033 Stavanger, Norway
Org. nr: 920 292 046

You can find additional contact details for your country at easee.com.

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