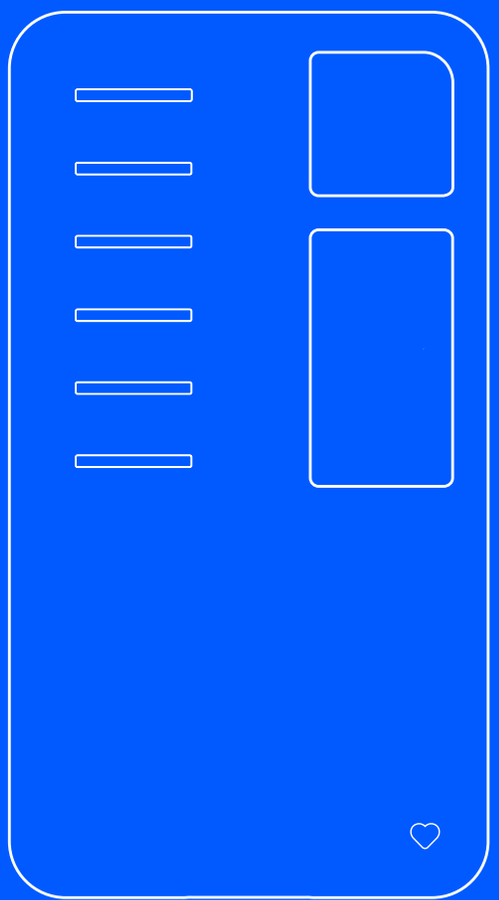
easee



EN Installer and User guide

Equalizer Amp

Introduction

The information in this leaflet applies to Easee Equalizer Amp , unless specified otherwise.

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

⚠ 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.

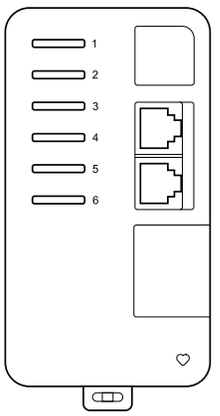
Optimal performance

The Equalizer Amp together with the Easee Equalizer makes it possible to charge smarter, safer and faster without the need of a smart meter, if the installation is scaled accordingly.

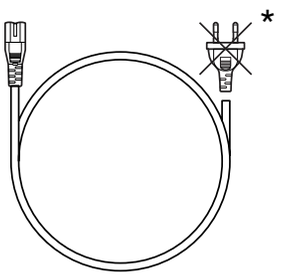
Technical specifications

General	
Dimensions Product	95 x 51 x 30 mm (H x W x D)
Operating temperature	-20 °C to +50 °C
Weight	105 g
Supply	85-264 V AC
Installation system	TT, IT or TN
Phases	1- or 3-phase
Current sensors	
Type	CT clamps
Operation range	0 – 100 A
Conductor diameter	max. 16 mm
Cable length	1 m
Protection	
Degree of protection	IP30
Insulation class	II
Overvoltage category	OVC II
Connectivity	
2 x RJ12 connectors	
6 x sensor slots	
1 x 12 pin expansion port	

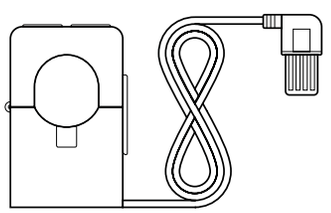
Product overview



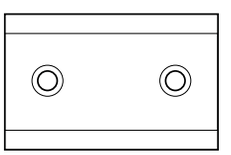
Equalizer Amp



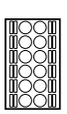
Power cable



Current sensors x 3



DIN bracket



Expansion connector

*Plug not included for the power cable.

Installation instructions

⚠ **WARNING**

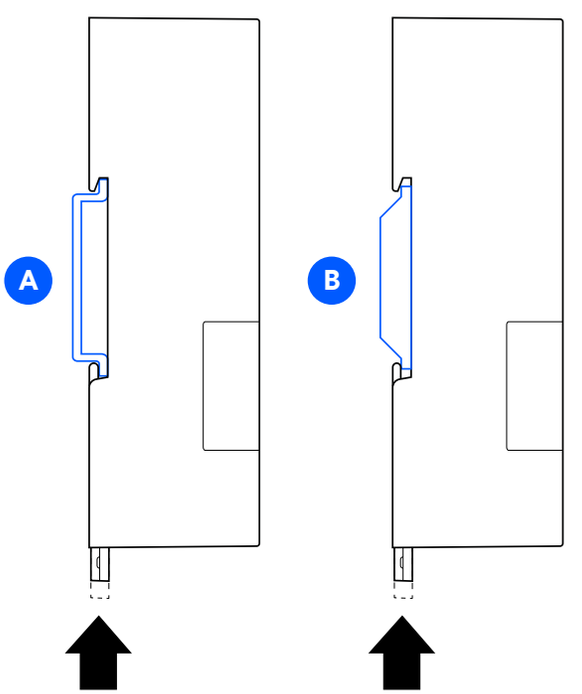
- **This product shall only be installed, repaired or serviced by an authorised electrician. All applicable local, regional and national regulations for electrical installations must be respected.**
- Turn off the power before you begin the installation. Use extreme caution and follow instructions carefully.

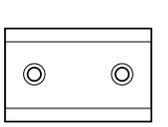
Install the Installer App on your phone by visiting easee.com/installer-app or scanning the QR code.

Equalizer Amp

1 Mounting

1. Mount the Equalizer Amp on the DIN rail (A) inside the fuse cabinet. If that's not possible, attach the included DIN bracket (B) to a surface and then mount the Equalizer Amp.





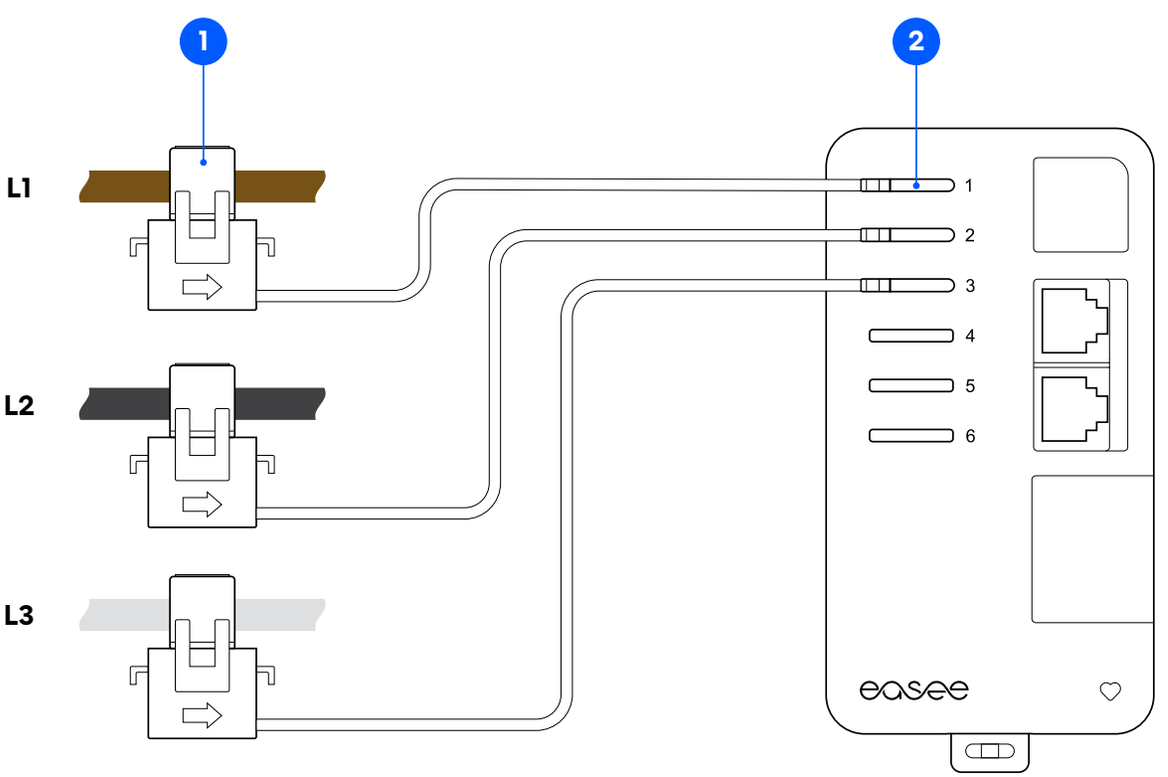
B

2 Current sensors
Attaching

1. Attach current sensor(s) around each conductor either in front or behind the main fuse. The arrow on the sensor must point towards the load.

2. Plug the current sensors, L1, L2 and L3, into their respective terminals 1, 2 and 3.

NOTE! Depending on national standards, the colour of the cables can vary from illustration.



Source/Grid ⇨ Load/Building

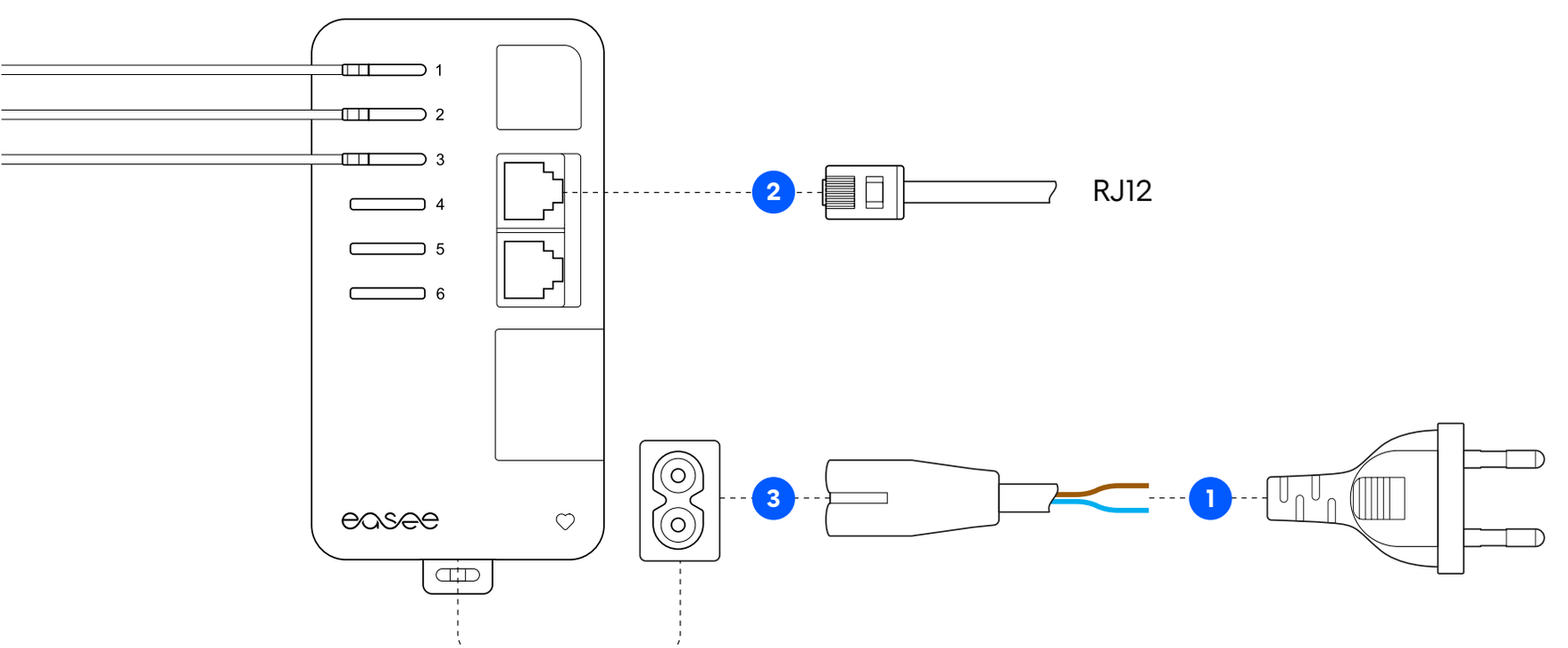
3 Equalizer Amp
Connecting

1. Connect the included power cable to a suitable power source. A separate fuse with a maximum rating of 16 A is recommended.
2. Find the RJ12 cable in the Equalizer box and connect it to an RJ12 terminal on the Equalizer Amp. The bottom RJ12 terminal is for connecting multiple Equalizer Amps.

CHECK LIST! Before powering up the Equalizer Amp, make sure that:

- The current direction is correct on the current sensors.
- The charging sites and the Equalizer Amp have the same phase sequence.
- The L1 current sensor is plugged into terminal 1, L2 sensor in terminal 2 and L3 sensor in terminal 3 on the Equalizer Amp.

3. Power up the Equalizer Amp. You should see a flashing ♥ at the bottom right corner of the device.

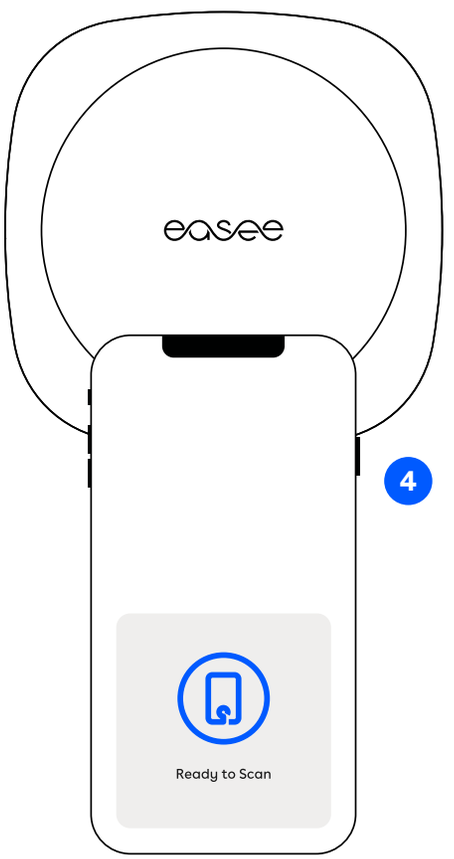


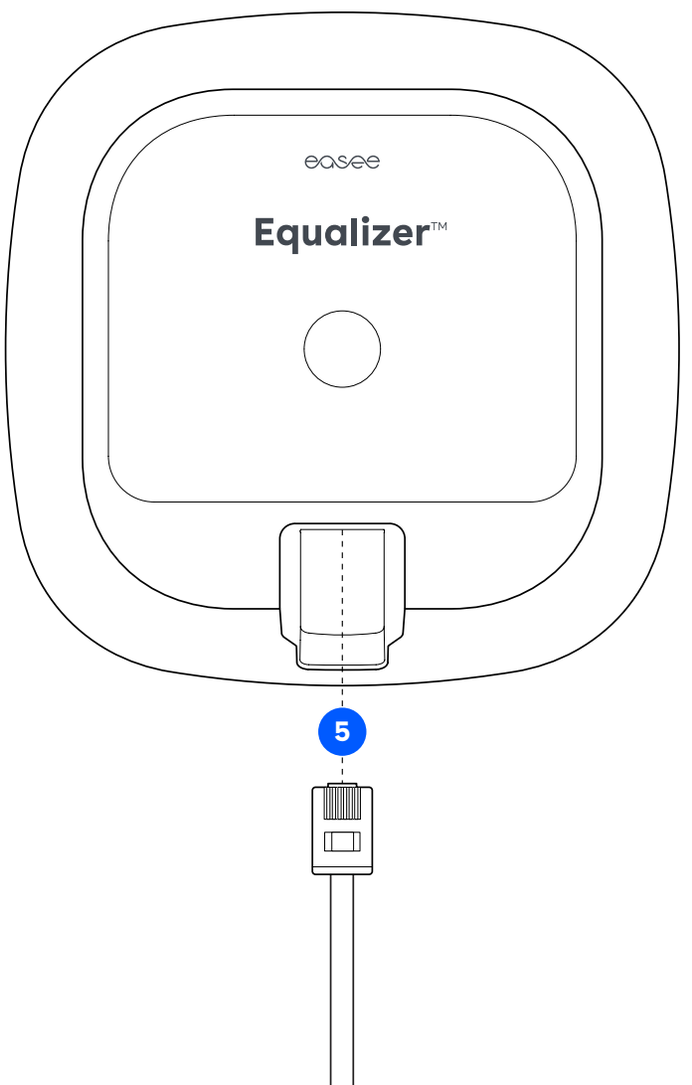
4 Equalizer
Setting up

Use the Installer App to configure the Equalizer on a site with multiple circuits.

Before starting, make sure that the Equalizer and the master charger(s) are connected to the same WiFi network. Also make sure you have NFC enabled on your mobile phone.

1. Go to "Ongoing sites", or "Update existing site", and select your site.
2. Under "Site structure", select "Add Equalizer".
3. Enter the WiFi information (the same network the chargers are connected to).
4. Hold the mobile phone to the front of the Equalizer to transmit the WiFi details. The Equalizer cannot receive the information if it's powered on.
5. Connect the Equalizer to the Equalizer Amp with the RJ12 cable.





Practical details

LED colours meaning

White, fast flashing – Booting
White, breathing every 10s – Normal operation
Red / white, switching – No WiFi added
Red, flashing – No data from power meter
Red, breathing every 10s – Error
Purple, breathing every 10s – Offline operation

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.
*Some countries may have extended warranty.

Maintenance

This product requires no maintenance.
If it needs to be repaired, please contact your Easee supplier.

Returns and complaints

Contact your distributor or Easee Customer Support at **easee.support** regarding the return and complaint of your product.

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