easee

Easee Equalizer

Introduction

The information in this leaflet applies to Easee Equalizer P1 (E02-EQP) and Easee Equalizer HAN (E02-EQ), unless specified otherwise.

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

Optimal performance
The Equalizer makes it possible to charge smarter, safer and faster if the installation is scaled accordingly. To enable its true potential, the rated value of the chargers circuit fuse should be as high as possible compared to the main fuse.

Product overview

Magnetic backside ——————

Touch button ——————— easee

LED ——————— •

Equalizer
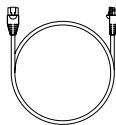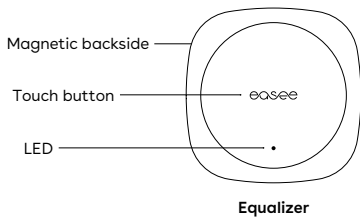
Cable

x 1   x 1

Wall mounting kit
For non-metallic surfaces

Technical specifications

General	
Dimensions Product	110 x 110 x 27.5 mm (H x W x D)
Dimensions Product Packaging	130 x 130 x 39 mm (H x W x D)
Permitted temperature	-20 °C to +50 °C
Weight	95 g (Equalizer P1) 110 g (Equalizer HAN)
IP degree	IP40
Supply	5-30 V DC 100 mA (Equalizer P1) 20-32 V DC 30 mA (Equalizer HAN)
Cabling	
Cable length	1.5 m
Custom made cable	RJ12 to RJ12 (Equalizer P1) RJ12 to RJ45 (Equalizer HAN)
It can be extended using an extension cable	up to 15 m (Equalizer P1) up to 200 m (Equalizer HAN)

RJ12 (6 pins)   RJ45 (8 pins)

Max transmitted power	
Radio	25 mW at 863–870 MHz.
WiFi	50 mW at 2.4–2.472 GHz.

Connectivity
Easee Link RF™ and WiFi[1]
HAN (NVE/AMS) (Equalizer HAN) or P1 (Equalizer P1) smart meter communication
Modbus connection to energy meter[2]
Monitor power consumption with the Easee App
RFID / NFC reader

[1] WiFi is required for normal operation and for future software updates. Installations with multiple master chargers need to be connected to the same WiFi for load balancing to work. Easee Link RF (™) via radio may be limited by walls, concrete or other obstacles.

[2] Only for supported meters.

Customer setup

Follow these steps if you are a private customer installing the Equalizer in your own household.

1 HAN port
Activation

In Scandinavia, the communication port on the smart meter is most likely not activated. Contact your utility company to open the HAN port for use with the Equalizer.
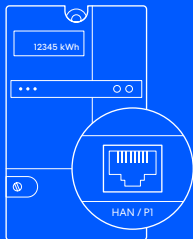If you are not in Scandinavia, skip to step 2.
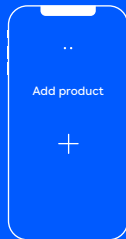
2 Easee App
Download

Scan the QR code to download the Easee App and create a free account.

3 Equalizer
Setup

Add the Equalizer in the app, follow the on-screen installation guide and get ready to balance your energy smarter than ever before!

12345 kWh

• • •   ○ ○

HAN / P1

Smart meter

easee.com/app

Add product

+

Installer setup

Follow these steps if you are an installer and use the Installer App to configure the Equalizer in large commercial installations or private households.

1 Installer App
Download

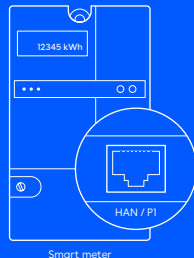Scan the QR code to download the Installer App and create a free account.

2 Equalizer
Setup

Add the Equalizer to a new or existing charging site using the Installer App and follow the on-screen installation guide to set it up.
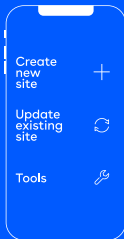
3 Smart meter
Connect

Connect the Equalizer to the smart meter using the provided cable. The Equalizer will appear in the Easee Portal after a while.

easee.com/installer-app

Create new site +

Update existing site ↻

Tools 🔧

12345 kWh

•••   ○ ○

HAN / P1

Smart meter

LED colours meaning

White, fast flashing – Booting

White, breathing every 10s – Normal operation

Red / white, switching – No WiFi added[3]

Red, flashing – No data from power meter[4]

Red, breathing every 10s – Error[5]

Purple, breathing every 10s – Offline operation[6]

Touch the Easee logo in the middle to check power consumption:

Blue, fast flashing – High power consumption

Blue, slow flashing – Low power consumption

Count the flashes for percentage – 1 flash (10%), 2 flashes (20%), up to 10 flashes (100%)

(3) Hold the Easee logo for 3 seconds to check connectivity. You will see 2 flashes:

1st flash – Easee Link RF status[7]
2nd flash – WiFi status

Green – Connected

Red – Not connected

[3] Use the Easee App to set up the WiFi.
[4] Contact your utility company to activate the HAN port.
[5] Go to **http://easee.support**.
[6] Check your internet connection.
[7] After booting, it can take a few minutes before Easee Link RF™ status flashes green.

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.
*Some countries may have extended warranty.

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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