

Charge Core

Discover our powerful and intelligent charger. Charge Core is a scalable solution to support the expansion of large charging sites.

Intelligent. Scalable. Cost-effective.



Benefits



Smart safety

Safety is at the heart of everything we do. Equipped with advanced temperature sensors, self-testing RCD and critical error notifications; security and the latest functionality is assured.



Powerful

The chargers can charge up to 22 kW on 3-phase circuits using a Type 2 charging cable. Distributing the charging load on all 3 phases enables faster charging when required.



Always updated

The chargers are continuously updated with the latest functionality by our over-the-air software updates. This way, you know you have purchased a safe and future-proof product.



Reliable local control

Bluetooth functionality allows you to control and monitor your chargers locally, without relying on cloud services or internet connection.



Cost-effective and scalable

Predictable, low-cost installation of large charging sites. Save time and money with our innovative daisy chaining installation and the patented Easee Ready system by replacing the blind cover with a charger.



Configuration

Quick set up and configuration is done via the Easee Installer App by programming the backplate via NFC. The pre-configured NFC tag ensures effortless and speedy future replacements, removals and upgrades.



Intelligent energy management

The chargers communicate locally via radio or WiFi to load and phase balance all available energy effectively. A queuing system keeps track of the charging order to allow fair sharing of energy in the building. Easee Control gives you full overview to manage your charging site.



Functional design

With award winning Scandinavian design, the chargers are easy to use and have many practical features:

- Interchangeable charging unit which is easy to upgrade or replace if necessary.
- 45 degree angled Type 2 socket makes it self-draining and protrudes less from the wall.

Charger features



Charge Core

Commercial charging	3-phase charging speed TN/IT	22 kW / 12.7 kW
	1-phase charging speed TN/IT	7.4 kW / 7.4 kW
	Chargers on a single site	unlimited
	Colour options	black ²
	Easee Link™ Local Load balancing	✓
	Easee Link™ Local Phase balancing	✓
	Built-in AC&DC RCD protection	✓
	Temperature monitoring	✓
	Overload protection	✓
	OCPP 1.6J	✓
	Energy balancing with the building ¹	✓
	Built-in LTE Cat M1	✓
	Built-in RFID/NFC sensor	✓
	Over-the-air updates	✓
	WiFi and Bluetooth	✓
	Easee Link™ Local Fuse balancing ¹	✓
	Service provider ready	✓
	Replaceable covers	✓
	Lightstrip interface	✓
	45 degree self-draining Type 2 socket	✓

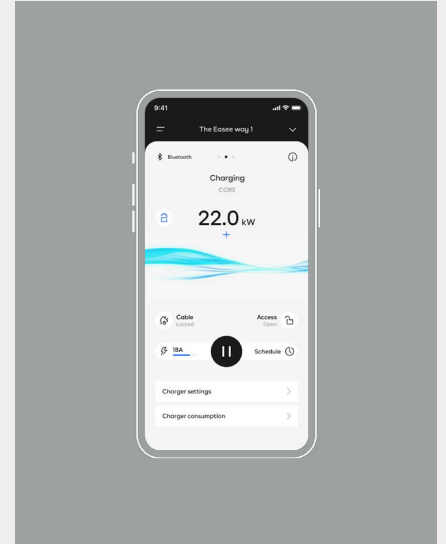
1. Easee Equalizer required.

2. Other colour covers can be purchased separately.

Digital services

Easee App

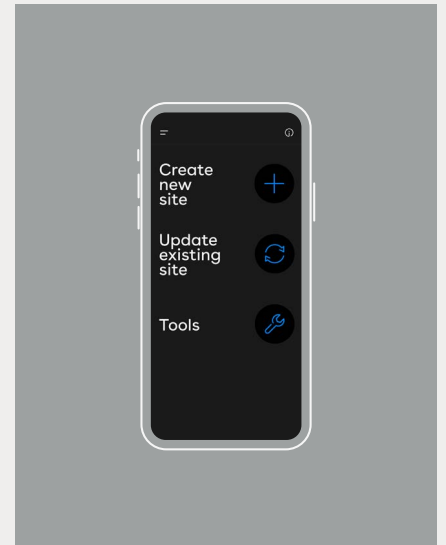
With the Easee App, you have access to all your charging locations and individual chargers within each site. Easee chargers support both Wifi and come with built-in LTE Cat M1, which improves connectivity. You also have the option to connect to your charger(s) via Bluetooth, giving you an even smoother user experience and access to lots of useful features.



Easee Installer App

We know the installer's time is precious so have taken great care to make their life easier. Configuring Easee chargers can be done quickly and easily from the Easee Installer App.

- Fast all-in-one installation software.
- Overview of installations.
- Diagnostic tools and troubleshooting on-the-go.
- Create or update existing charging sites.
- Create new circuits.
- Add backplates to a circuit.
- Read a backplate.
- Factory reset a backplate.
- Support via a dedicated phone number for installers.
- Bluetooth for offline connection to charger.

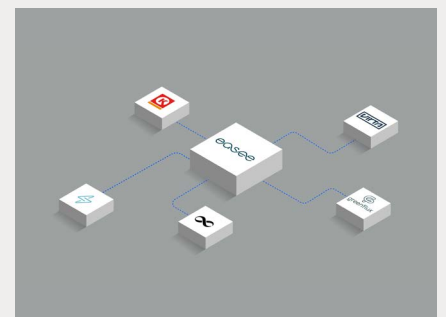


Easee Integrations

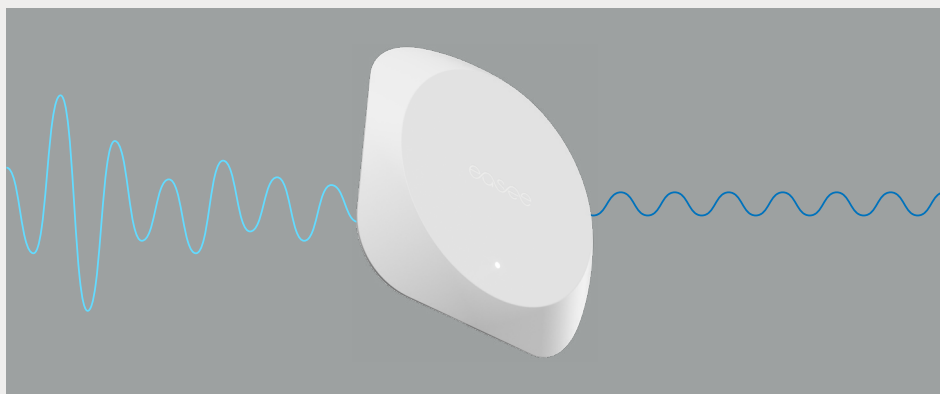
Easee Integrations Platform is a versatile solution, enabling effortless connection with the Easee charging infrastructure and its suite of services.

Our platform offers a range of tailored options for CPOs and Service Providers, ensuring flexibility to meet their specific requirements.

Read more at developer.easee.com



A powerful setup with the Equalizer



Energy balancing

The Easee Equalizer enables you to charge faster and safer. It balances all available power between the chargers and the building. This allows for better utilization of all available energy, which makes it possible to scale the installation even further.

Phase balancing

Easee's patented phase balancing technology inside all Easee chargers allows automatic selection between 1-phase and 3-phase charging, based on the available capacity for each phase. This information is provided locally via Easee Link™; a combination of radio and WiFi.

Fuse protection

With the Equalizer, the charger automatically adjusts charging speed to avoid the main fuse tripping.

More reasons to choose Easee

- Reliable and consistent performance.
- Ecosystem of smart electrical devices.
- Future-proof solution that is always up-to-date.
- User-friendly Easee App.
- Built to withstand harsh weather conditions.
- Small and lightweight.
- Designed and manufactured in Norway.
- The charging cable can be permanently locked to the charger, so you do not have to take it with you every time.
- Manufacturer warranty: 5 years in accordance with Easee's warranty procedure.

Easee Ready and Easee Plug & Play



Future-proof

Easee Ready (backplate and blind cover) is designed to meet the evolving demands of EV charging infrastructure, providing commercial properties with a solution to prepare for future charging points at low costs.

Plug and Play

To upgrade to a fully operable charging point, you can purchase the Easee Plug & Play at any time. This allows you to easily scale the system without high installation costs.

Installation and scalability

Easee Ready is easy to install and eliminates the need for additional infrastructure costs, materials and installation time. Highly scalable and compatible with both home and commercial chargers, Easee Ready is an ideal solution for commercial property of any size.

Increased tenant satisfaction

By providing EV charging infrastructure, commercial properties can increase tenant satisfaction and attract new tenants.

Specifications

Measurement
in mm



Technical

General

Dimension (mm): H: 256 x W: 193 x D: 106.
Wall mounting (mm): c/c H: 160 x W: 125.
Operating temperature: -30 °C to +40 °C.
Weight: 1.5 kg.
Manufacturer warranty: 5 years in accordance with Easee's warranty procedure.

Connectivity

Wi-Fi 2.4 GHz b/g/n.
Bluetooth 4.2.
Built-in LTE Cat M1.
OCPP 1.6J.
Easee Link™ 868 MHz Radio¹.
Built-in RFID/NFC reader for access control.
Easee App for control and monitoring.

Sensors and indicators

Light strip showing the status of the charger.
Touch button for manual adjustment.
Temperature sensors in all main contacts.

Electrical

Voltage: 3x 230 V / 400 V AC (±10%).
Grid frequency: 50 Hz.
Power grid: TN, IT, TT.

Charging power:
– 1-phase: 1.4 kW (6A) - 7.4 kW (32A).
– 3-phase TN: 4.1 kW (6A) - 22 kW (32A).
– 3-phase IT: 2.4 kW (6A) - 12.7 kW (32A) .

Chargers per site: Unlimited.
Connection point: Type-2 socket.
Load and phase balancing works offline.
Automatic adjustment of charging speed based on available current².
Automatic phase balancing.

Read more at easee.com/manuals

1. Easee Link™ is the communication method between Easee products. It is based on radio signal but also WiFi, if available.
2. Equalizer required for load and phase balancing multiple circuits towards the building.

Safety

Connection point protection

Overload protection according to EN IEC 61851-1:2019.
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.
Dust/water: IP54 (backplate is IP22 without cover).
Impact resistance: IK10.
Overvoltage category: III.
Multiple sensors constantly monitor the charger to protect against any faults that could compromise safety.

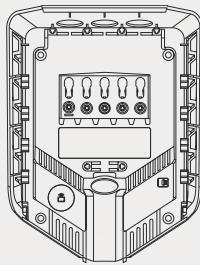
Installation

Auto detection of power grid (TN, IT, TT).
Circuit breaker: Max 80 A with instantaneous trip, maximum 75 000 A²s.
Wire cross-section: Up to 16 mm² (single cable)/ up to 10 mm² (parallel connection).
Cable diameter: 8–22 mm.
Terminal tightening: 5 Nm.
Cable strip length: 12 mm.

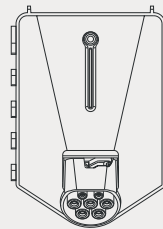
Theft protection

The charging cable can be locked permanently in the charging station.
Padlock bracket for theft protection.

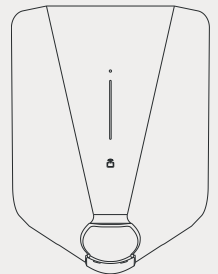
Included in the box



Backplate



Chargeberry



Cover



Installation kit

4x wall screws T25
2x strain relief + screws T25
3x blind plugs
2x sealing plugs

Accessories for the charger



Equalizer

The Equalizer is a small, smart device that connects to your smart meter. It maximises charging power or limits current to save cost by monitoring the charging site electricity usage and controlling the charger.

What can you do with the Equalizer?

- Dynamic load and phase balancing between the charger and the overall consumption of the charging site.
- Solar charging: enable full utilisation from your charging site's solar panels or any renewable energy source.



Equalizer AMP

No smart meter? Easee's Equalizer Amp is a cost efficient and easy-to-install measurement device that can read the power usage of a charging site. It is used with the Easee Equalizer to enable dynamic load and phase balancing in settings where there is no access to a compatible smart meter.



U-Hook

Upgrade your charging sites with a stylish hook to hang the cable between charging sessions, prevent dust and water from collecting in the cable connector, and keep the cable clean. Available in stainless steel or three colour powder coated finishes.



Charging cable

A 7.5m high quality charging cable supporting all AC charging up to 3-phase 22 kW (32A).

- Durable, made for permanent outdoor use in all weather.
- Sleek design alongside the charger.
- Protective cap for transportation.
- On-the-go charging cable for public charging.



Easee Ready

Our innovative backplate and blind cover solution allows you to prepare for future charge point installations at minimal cost.

- Branding area to customise installer company or partner contact information.
- Low cost preparation for future charging points at any building/charging site.



Easee Key

The chargers can be set up with restricted authorisation that can be unlocked by using an Easee Key. To initiate a charging session, you simply hold the key tag against the charger.

This functionality is based on RFID technology, allowing the use of other RFID-enabled cards and tags, such as a credit card, workplace key cards etc.



Easee Base

Easee Base is a robust and weatherproof post that gives you more freedom to install the chargers where it suits you best. It has four configurations that support single, dual, triple and quad chargers.

Charge Core chargers cannot be used for charging electric vehicles for which reimbursement is desired, based on the realized consumption of electricity. The Charge Core charger cannot be used to calculate this consumption.

Charge Core is not MID compliant. In some markets, MID compliance is not a requirement yet for charging electric vehicles for which reimbursement is expected or consumption is reported as a cost in tax filings; please check local rules for more information.

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.

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