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PRODUCT DATA SHEET

Enua Charge

Enea Charge

Scalable and Intelligent Charging for Commercial and Larger-Scale Facilities

Enea Charge is our powerful and future-ready charging station, designed to meet the demands of commercial buildings, apartment complexes, and large-scale facilities. Built for scale, it supports advanced features like automatic phase rotation, ISO 15118-ready hardware for plug-and-charge capability, and an integrated parking spot radar that notifies you if a vehicle is occupying a charger without charging.

With support for dynamic load balancing across multiple chargers, robust cloud connectivity, and compatibility with leading charge point operators via OCPP 1.6 and 2.0.1, Enea Charge gives you full control over your charging infrastructure.

Crafted with the same clean Nordic design as our residential model, it delivers both performance and aesthetic appeal – whether installed in indoor garages or large outdoor lots.

Scalable smart charging – centralized control

From a few chargers to a full-scale facility, Enea Charge adapts to your needs. Manage multiple stations, monitor usage, and optimize energy consumption from a centralized platform.

Future-proof energy management

Supports smart grid integration and dynamic pricing. Combine with external energy meters for dynamic load balancing and energy optimization – all fully automated and managed via the cloud.

Reliable. Upgradeable. Built to last.

With high-quality components, over-the-air updates and a secure, cloud-based architecture, Enea Charge is built for high uptime and long-term performance in demanding environments.

Advanced safety features

With integrated over-current protection, MRCD Type B and load balancing system you can easily install several Charge on the same circuit breaker. No need for additional protection equipment before each charging station or external load balancing systems, it's all included in each Enea Charge.

Flexible installation – seamless operation

Engineered for certified installers and designed for ease of use by both admins and drivers. The system is the easiest system to install, and the charging station works out of the box and scales effortlessly as your needs grow with the possibility to mount a charging station without needing an installer on-site.



Technical data

Article number

27001

Temperature range

-30°C to +50°C

Material

PC/ASA, PA6 and PC

Weight

2,20 kg without Enea Wallmount

2,90 kg with Enea Wallmount

Protection grade

UV resistant

IP55 enclosure rating

IK10 impact protection

UL94-V0 flame resistance

Dimensions (mm)

H: 273 x W: 220 x D: 100

Installation

Can be mounted on a pre-installed Enea Wallmount. Supports communication and load balancing for an unlimited number of Enea Charge units within a single facility.

Installation voltage

TN, IT and TT

230VAC \pm 10 %

400VAC \pm 10 %

RCD

Integrated MRCD Type B (IEC 60947-2, Annex M)

30mA AC and 6mA DC

Overcurrent protection

32A integrated (IEC 60269-2)

Maximum power

22 kW @ 32 A/3-phase (TN-grid)

12,7 kW @ 32 A/3-phase (IT-grid)

7,4 kW @ 32 A/1-phase (IT/TN-grid)

Protection class

Protection class I

Overvoltage category III (4 kV)

Charging connector

Type 2 female connector (IEC 62196-2).

Electronically locked during charging.

Energy measurement

3-phase active energy meter

\pm 1 % accuracy

Communication Interface

LTE-M, NB-IoT, WiFi 2,4 GHz, RFID/NFC

(Connection fee may apply for LTE connectivity)

Software interface

Enea App for users and installers.

Backend/API integration

OCPP 1.6 and OCPP 2.0.1 to cloud.

Additional features*

- Integrated radar for parking spot occupancy detection.
- Automatic phase rotation.
- ISO 15118 hardware-ready (Plug & Charge support).

*Coming soon. These features are in active development and planned for future Firmware releases.



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