enelion

LUMINA

Easy to use,
convenient to install.

Modular framework allowing for a 15-minute install. Full user-control over a dedicated mobile app.
Slick, minimalist looks recognized by world-renowned design awards' jury panels.

We're glad to introduce the LUMINA - Enelion's new-generation AC charging station.

- Minimalistic design
- 15-minute installation process
- User-control via mobile application
- Dynamic Load Balancing*
- Various housing color and material variants
- User friendly

*option

MINIMALISTIC FORM RECOGNIZED BY WORLD-RENOWNED DESIGN AWARDS' JURY PANELS

Aesthetics and durability are paramount to us. For that reason, along with solid anodized aluminum housings, we decided to use polycarbonate composite - hardened synthetic material, highly resistant to scratches.

MODULAR STRUCTURE

Modular build provides a perfect solution facilitating a single base-piece and interchangeable charging heads.

READY TO WORK IN 15 MINUTES

Your EV charger will be ready to perform online within 15 minutes from unboxing. That's how short it takes to install the Lumina.

MOBILE APP

Charging session scheduling and monitoring, power output adjustment, authorization settings, remote power-plug relay with delayed-start option.

ADVANCED TECHNICAL SOLUTIONS

Intelligent charging-power limitation system that enables splitting the power dynamically between units in a chain, so the total charging power does not exceed overall output from the grid.

OFF-THE-WALL MOUNTING OPTIONS

A distinctive concaved backplate design makes it possible to install the Lumina on diverse sites. Aside from all flat surfaces, one can mount it on lampposts, columns, signposts and various types of poles. This attribute enables easy installation by making use of street furniture and avoiding costly landscape rearrangements.

LUMINA

Modular structure

LUMINA
CABLE
PREMIUM

silver
anodized
aluminum

LUMINA
SOCKET
PREMIUM

silver
anodized
aluminum

LUMINA
BACKPLATE

CLOSE

OPEN

LUMINA
CABLE
PREMIUM

black
anodized
aluminum

LUMINA
SOCKET
PREMIUM

black
anodized
aluminum

LUMINA
SOCKET

polycarbonate
housing

Enelion Lumina App available at

GET IT ON Google Play

DOWNLOAD ON THE App Store

GOOD DESIGN 2021

1st place in a New
Technology category

Good Design 2021

iF DESIGN AWARD 2022

iF DESIGN AWARD 2022

LUMINA

Structure, features, advantages

Mobile App management

Install the Enelion Lumina app on your mobile and enjoy remote control and management over charging sessions' scheduling, power output adjustment, authorization settings and power-plug relay with delayed-start option.

Secure limited access

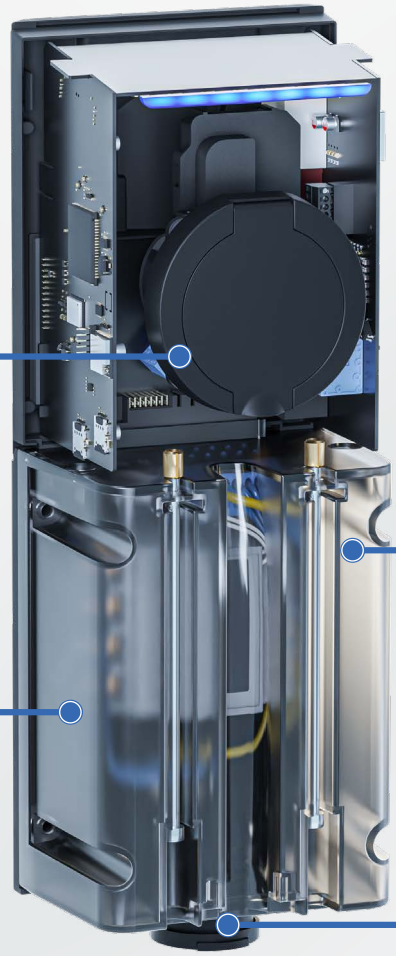
Grant users' access to your charging station with authorized RFID cards or back-end system settings. Lock or unlock the charger remotely to allow or block charging.

Convenient billing system

Lumina has a built-in three-phase energy meter that enables billing individual loading sessions with over 99% accuracy. Pre-installed MID-certified meter is also available to be integrated within the unit.

Embedded PLC communication ISO 15118 compliance

to be implemented: bilateral vehicle communication, connectivity with Energy Management Systems.



Robust structure

High-quality components along with a well-thought design, IP54 ingress protection rate and a high, 10th degree of impact protection (IK10) make Lumina the perfect solution for public use.

1-phase and 3-phase use Type2 plug

Lumina is equipped to charge all existing and future electric vehicles using Type2 plugs.

Battery-powered control unit standby*

In the event of a power-cut, the charger supports the communication module for up to 1-hour operation time and provides an option to access it remotely, cease charging and disconnect the cable (RFID authorization / mobile app).

Built-in memory unit with backup settings*

Restore your settings easily in case of head replacement.

Remotely-controlled power-plug*

A non-public station can be equipped with a schuko socket, enabling the user to simultaneously charge the car and, for example, an electric scooter.

Enables the power supply of single-phase devices with max. current consumption up to 16 A.

It is possible to remotely control the socket operation (On / Off + delay) via the application.

Dynamic Load Balancing

Intelligent charging power limitation system that enables splitting the power dynamically between units in a chain, so the total charging power does not exceed overall output from the grid.

*option

LUMINA

Technical specification

Housing	Polycarbonate, Anodized aluminum*
Ingress Protection rate	IP54
Impact protection (IK rate)	IK10
Flammability class	UL94-V0
Charging connector type	Lumina Socket - Type2 Socket, Lumina Cable - Type2 connector with 4,7 m cord
Residual current protection	Embedded residual current monitor - Enelion RCMB 6 mA DC
Energy metering	Integrated 3-phase energy meter >99 % accuracy
Certified electricity meter (MID)	Impulse* - possible to install inside the housing
User interface	• multi-color LED strip EVC status indication Dedicated app connecting station via WiFi AP 2.4 GHz b/g/n
Online communication unit	• Integrated LTE/4G modem • WiFi 2.4 GHz b/g/n - direct access point to the station with an option to hide the AP and connect the station to local Wi-Fi network
OCPP	compliance with OCPP 1.6 J protocol
Authorization	• built-in RFID / NFC reader - Mifare Classic / Free Charge • dedicated app connected via WiFi AP 2.4 GHz b/g/n
Current /Charging power	up to 7.4 kW at 32 A 1-phase up to 22 kW at 32 A 3-phase (TN system)
Charging voltage	3 x 400 V AC/ 230 V AC (±10 %)
Supply voltage	3 x 400 V AC/ 230 V AC (±10 %) (TN/IT) Possibility of connecting the cable from the top, bottom and the back of the station
Other features	• configuration with no additional tools • remotely controlled schuko outlet (max 2000W/10A)* • remote start / stop, delay and charging schedule • temperature and humidity monitoring inside device
Operating temperature	-30°C / +55°C
Maximum altitude for installation	2000 m
Height	390 mm
Depth	133 mm
Width	155 mm
Weight	3 kg / 4,2 kg (depending on device-version)
Compliance	2014/53/EU (RED) 2011/65/EU (RoHS) 2014/30/EU (EMC) 2014/35/EU (LVD)

*option

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