

LUMINA

Easy to use,
convenient to install.

Minimalist style appreciated at international competitions design, modular design allowing for easy adjustment to different requirements. 15 minute installation process and control via mobile application these are the most important, but not the only advantages ENELION LUMINA chargers.



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-RENOUNDED 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 ENELION 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 ENELION 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.

ENELION LUMINA

Modular
structure

ENELION
LUMINA
CABLE
PREMIUM

silver
anodized
aluminum



ENELION
LUMINA
SOCKET
PREMIUM

silver
anodized
aluminum



ENELION
LUMINA
BACKPLATE



OPEN

CLOSE



ENELION
LUMINA
CABLE
PREMIUM

black
anodized
aluminum

ENELION
LUMINA
SOCKET
PREMIUM

black
anodized
aluminum

ENELION
LUMINA
SOCKET

polycarbonate
housing



Enelion Lumina App available at



GET IT ON
Google Play



DOWNLOAD ON THE
App Store



1st place in a New
Technology category

Good Design 2021



IF DESIGN AWARD 2022

ENELION 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

ENELION 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.

1-phase and 3-phase use Type 2 plug

ENELION LUMINA is equipped to charge all existing and future electric vehicles using Type 2 plugs.

Built-in memory unit with backup settings*

Restore your settings easily in case of head replacement.

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.

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 ENELION LUMINA the perfect solution for public use.

Battery-powered control unit standby*

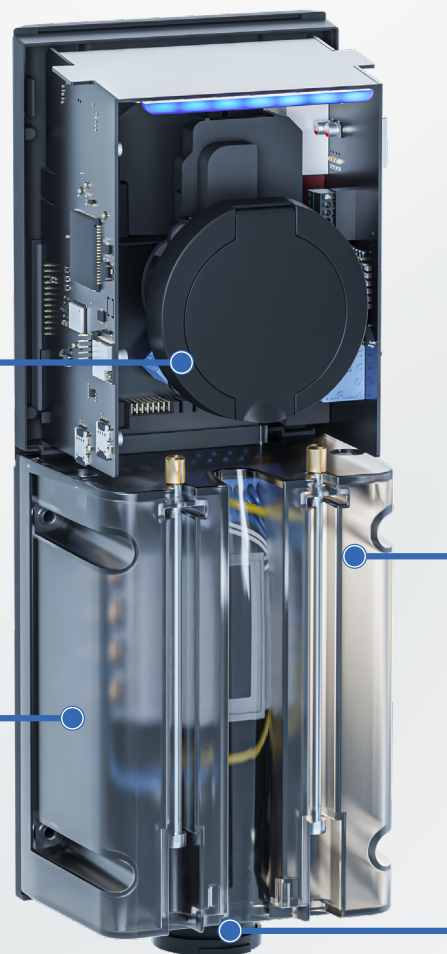
In the event of a power-cut, the charger supports the communication module for up to 1-hour operation time and provides an option to access it remotely, cease charging and disconnect the cable (RFID authorization / mobile app).

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 10 A.

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



*option

ENELION LUMINA

Technical specification



Housing	Polycarbonate, anodized aluminum*
Ingress protection rate	IP54
Impact protection	IK10
Flammability class	UL94-V0
Charging connector type	<ul style="list-style-type: none">• ENELION LUMINA Socket – Type 2 socket• ENELION LUMINA Cable – Type 2 connector with 5.2 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	<ul style="list-style-type: none">• multi-color LED strip that indicates the status of the device• dedicated app connecting station via WiFi AP 2.4 GHz b/g/n
Online communication unit	<ul style="list-style-type: none">• integrated LTE/4G modem• Wi-Fi 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
Minimal signal quality requirements	<ul style="list-style-type: none">• Wi-Fi: -60 dBm• GSM: -85 dBm
OCPP	compliance with OCPP 1.6 J protocol
Authorization	<ul style="list-style-type: none">• built-in RFID/NFC reader – Mifare Classic/ ree Charge• dedicated app connected via WiFi AP 2.4 GHz b/g/n
Current/Charging power	<ul style="list-style-type: none">• up to 74 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• configuration with no additional tools• remotely controlled schuko outlet (max. 2000 W/10 A)*• remote start / stop, delay and charging schedule• temperature and humidity monitoring inside device
Operating temperature	From -30°C to +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	<p>2014/53/EU (RED); 2011/65/EU (RoHS); 2014/30/EU (EMC); 2014/35/EU (LVD); UK SI 2016 No. 1101; UK SI 2016 No. 1091; UK SI 2017 No. 1206; UK SI 2012 No. 3032</p> <p>The following BSI and ETSI technical standards and specifications have been applied:</p> <p>ETSI EN 300 328 V2.2.2:2020-03; EN 62196-2:2017-06; EN IEC 61851-1:2019-10; EN IEC 61851-21-2:2021-09; EN 62196-1:2015-05; ETSI EN 301 511 V12.5.1:2017-10; ETSI EN 300 330 V2.1.1:2017-08; ETSI EN 301 489-1 V2.2.3:2020-07; ETSI EN 301 489-17 V3.2.4:2021-05</p>

*option

rev. 27.02.2023