



ELECTRIC VEHICLE CHARGING SOLUTIONS FOR MODERN CHARGING



OUR GOAL IS TO PROVIDE
SUSTAINABLE ELECTRIC
VEHICLE CHARGING SOLUTIONS
WITH LIFETIME VALUE



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Electric vehicle charging services that make life easier

At home and in shared car parks

As electric vehicles become more common, so does charging at home. Studies show that more than 90% of charging events take place at home overnight or when the vehicle is parked for longer periods.

We offer reliable, efficient and modular charging solutions for electric vehicles (EVs). We are one of the leading provider of EV charging devices and services, and our high-quality products cover a wide range of needs. We focus on smart charging solutions, and our charging devices are compatible with smart networks and cloud services. Our environmentally friendly EV charging solutions are designed to make life that little bit easier and to improve our quality of life in line with Ensto brand promise.

ELECTRIC VEHICLE CHARGING AT HOME

By far the most common location for charging electric and hybrid vehicles is at home. This is not surprising since overnight charging usually takes place on a driveway or in a car shelter or garage at home. Home charging has to be easy and safe, and our solutions meet both of these requirements.

Our products are designed for home use, and they offer all the features needed for the hassle-free and reliable charging of electric and hybrid vehicles.

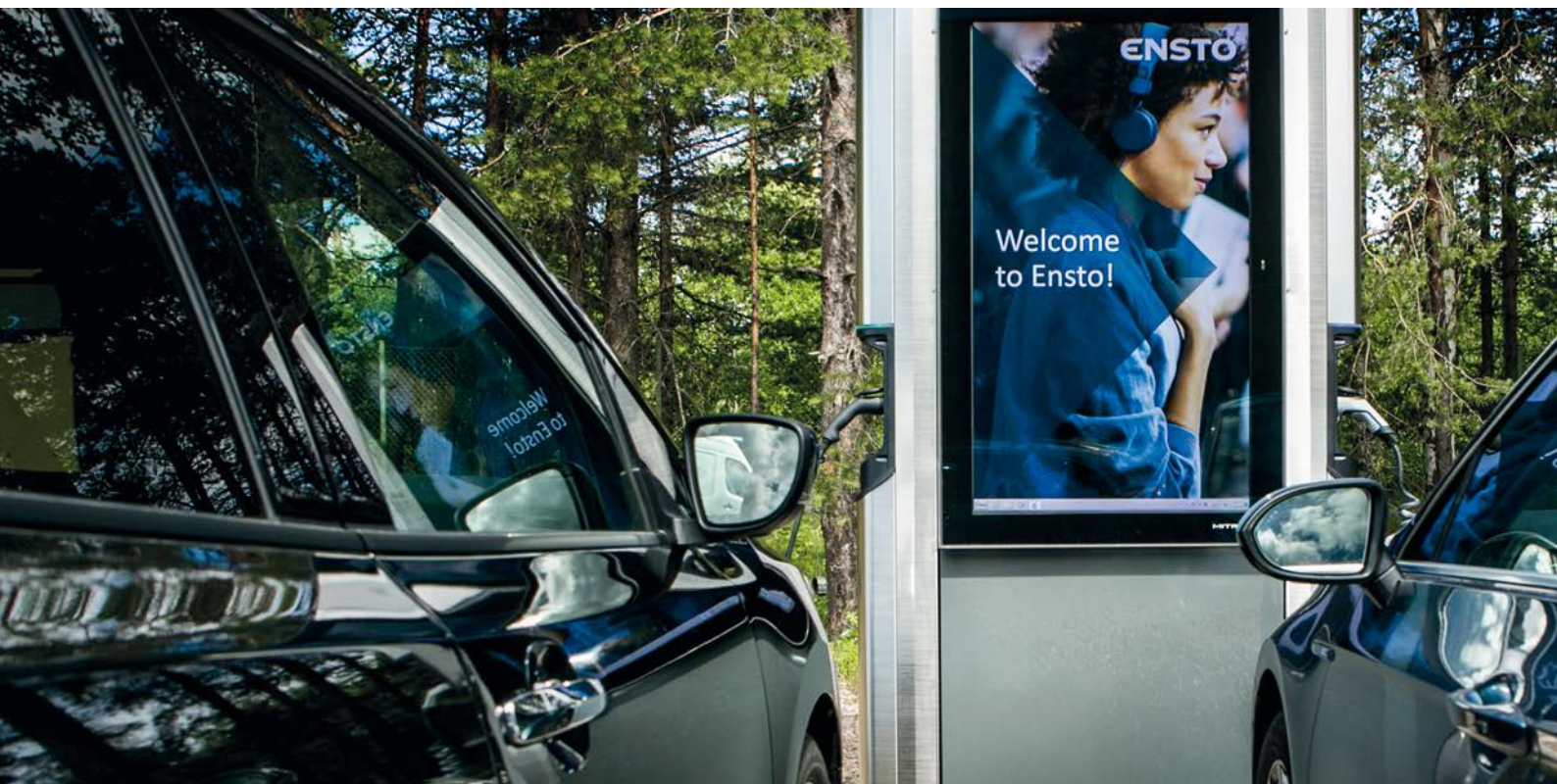
Ensto One Home is compact wall-mounted charging device with fixed cable. When you charge your vehicle at home, you are usually not in a hurry, but you need a charging system that is safe and reliable. Your vehicle is fully charged in the morning, and an extra stop at a charging station is not needed.

ELECTRIC VEHICLE CHARGING IN SHARED CAR PARKS

There are various solutions for EV charging in shared car parks of apartment blocks. Ensto One is the basis of our offering for shared charging in apartment buildings.

Besides reliable charger, efficient management of the charging devices and user data is important in order to make sure that the charging devices are only used by eligible residents and that the consumed energy is possible to allocate to the users. The charging infrastructure has to support and encourage the use of electric vehicles, and it has to make it as easy and flexible as possible.

- **Ensto One Home** is super easy and safe home charger. It's the One for you.
- **Ensto One** is easy and smart home charger for apartment buildings and shared parking.
- **Wallbox** is a modular solution for EV charging, and it has been designed especially for use in shared car parks.



Charge your vehicle at work

Charging devices and services

We have been designing and manufacturing EV charging devices for over 10 years, and we can offer solutions tailored to the needs of your business. Our charging devices are durable, robust and future-proof.

CHARGING DEVICES AND SERVICES FOR BUSINESSES

The market for EV charging solutions continues to grow. Providing access to EV charging can give businesses an important competitive advantage. EV charging devices can help businesses achieve sustainability goals, promote green values and improve their brand image.

Customisable charging devices provide an opportunity to highlight the company's eco-friendly values or brand. Our solutions allow for creation of separate profiles for specific user groups: businesses can, for example, offer free charging to visitors and paid charging to employees.

RELIABLE SOLUTIONS

An EV charging device is much more than just a socket: it is a way to go the extra mile and show that your business cares about its customers and employees. We are a reliable partner, and we can offer a solution that is a perfect match for the needs of your business.

- Efficient charging and low maintenance costs
- Mode 3 sockets that are compatible with all commonly used electric vehicles
- Easy to install and deploy
- Customisation through colours, decals and branding
- Native OCPP communication for professional backend operations
- Wide range of connectivities including 4G, Ethernet and Wifi
- Optional integrations to local services and systems



Shopping centres and public car parks

Electric vehicle charging devices

EV CHARGING DEVICES FOR SHOPPING CENTRES AND PUBLIC CAR PARKS

Are your parking facilities up to date? As the number of electric vehicles grows, so does the demand for charging devices in public car parks. Enabling EV charging provides added value to car park operators as EV drivers spend longer in car parks that have charging services available.

We have been designing and manufacturing EV charging devices for over 10 years, and we can offer solutions tailored specifically for your car park. Our modern charging devices are durable, robust and future-proof.

MODERN AND ROBUST EV CHARGING STATIONS

Our comprehensive product range has the perfect solution for any location and environment. We make EV charging easy and safe. Our products provide an environmentally friendly way to give customers a helping hand and make life a little bit easier.

As the manufacturer, we can offer a wide range of installation and customisation options and tailor our products to the needs of your customers. We can also provide additional services e.g. in the form of extended warranty of the charging device. Please contact our sales team for further information.

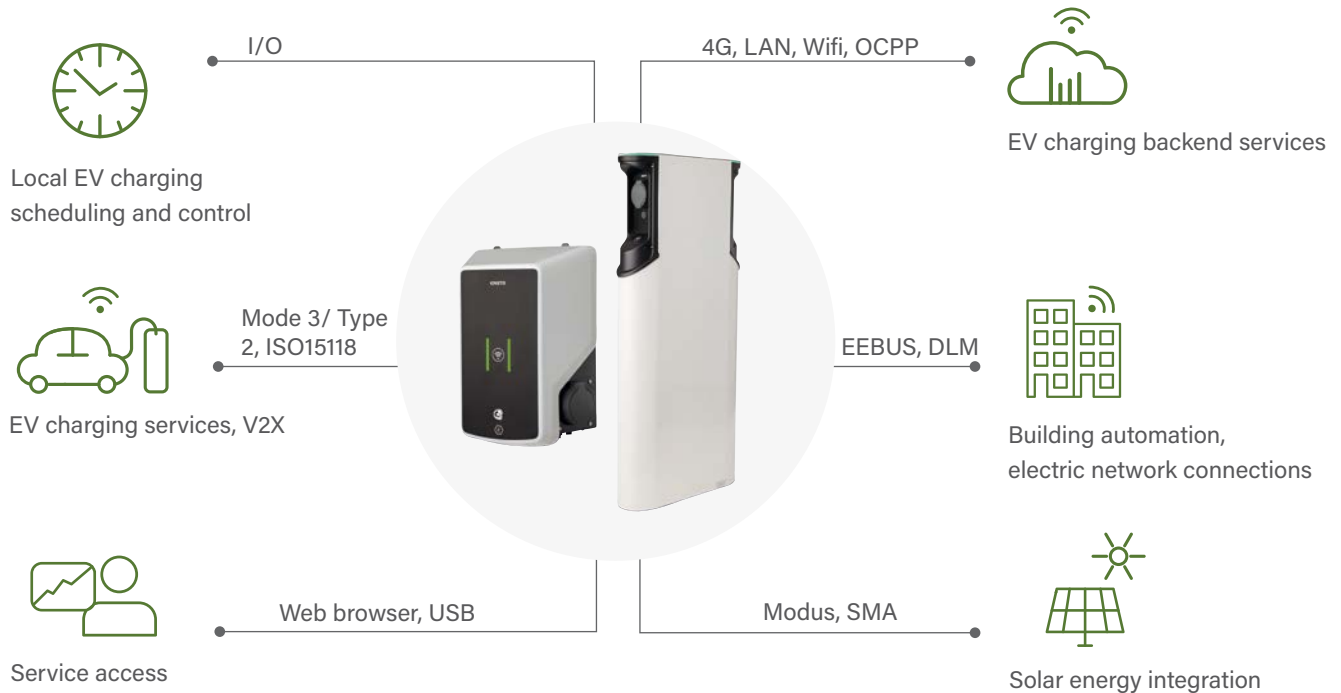
REMOTE CONNECTION AND SMART, CLOUD-BASED MANAGEMENT SOFTWARE SAVE TIME AND MONEY.

ELECTRIC VEHICLE CHARGING IN PUBLIC PLACES

- Expertise – we will find the optimal products for your needs.
- Reliability – all EV charging devices are manufactured in our own factories.
- Optional integration with other systems.
- Our charging devices utilize dynamic load management to optimise the use of the charging infrastructure.
- Native OCPP communication for professional backend operations.

Where We Can Help?

We provide smart EV charging solutions with solid experience



PUBLIC EV CHARGING

For over 15 years, we have been at the forefront in providing reliable and high-quality commercial EV charging solutions. Our robust public charging stations have IP54/IK10 classifications, ensuring durability and safety. They have a full 22kW capability, flexible installation options and convenient operation to meet your charging needs.

Our top-notch products provide professional features and services that help optimize operational expenses. Through OCPP communication and built-in smart features, our solutions can provide a wide spectrum of technical functionalities to do that.

We know the importance of load management in ensuring charging availability and minimizing the impact on power grid. Our solutions can accommodate varying power limitations, allowing for efficient charging while maintaining grid stability.

Our EV charging solutions are future-proof with advanced communication and ISO15118 compliance, ensuring compatibility with evolving technologies. We also provide customization and tailoring options to meet your specific requirements.

SMART EV CHARGING SOLUTIONS

Ensto Smart EV charging solutions offer efficient, convenient, and cost-effective charging experiences. Our charging stations enable EV Operators to activate different options for user identification and payment solutions in means of RFID and mobile apps. Mode 3 as well as Plu&Charge communications are supported between EV and charging point. Interfaces between charging point and back-end service provider are available via OCPP communication.

Ensto Wallbox and Ensto Pro charging stations integrate seamlessly with buildings and electrical networks by using local communications options. Our solutions offer various local integration options, such as Modbus TCP/IP, EEBUS, parking sensors, solar energy, dry contact and more. These features provide flexibility and enhanced functionality to meet specific needs and ensure a seamless charging experience.

Furthermore, Ensto charging stations support powerline communication interface (PLC), which enables future ISO15118 use cases, including customer and vehicle identification, optimized charging, smarter load management

and EV's battery use as energy supply.

SAFETY IN EV CHARGING

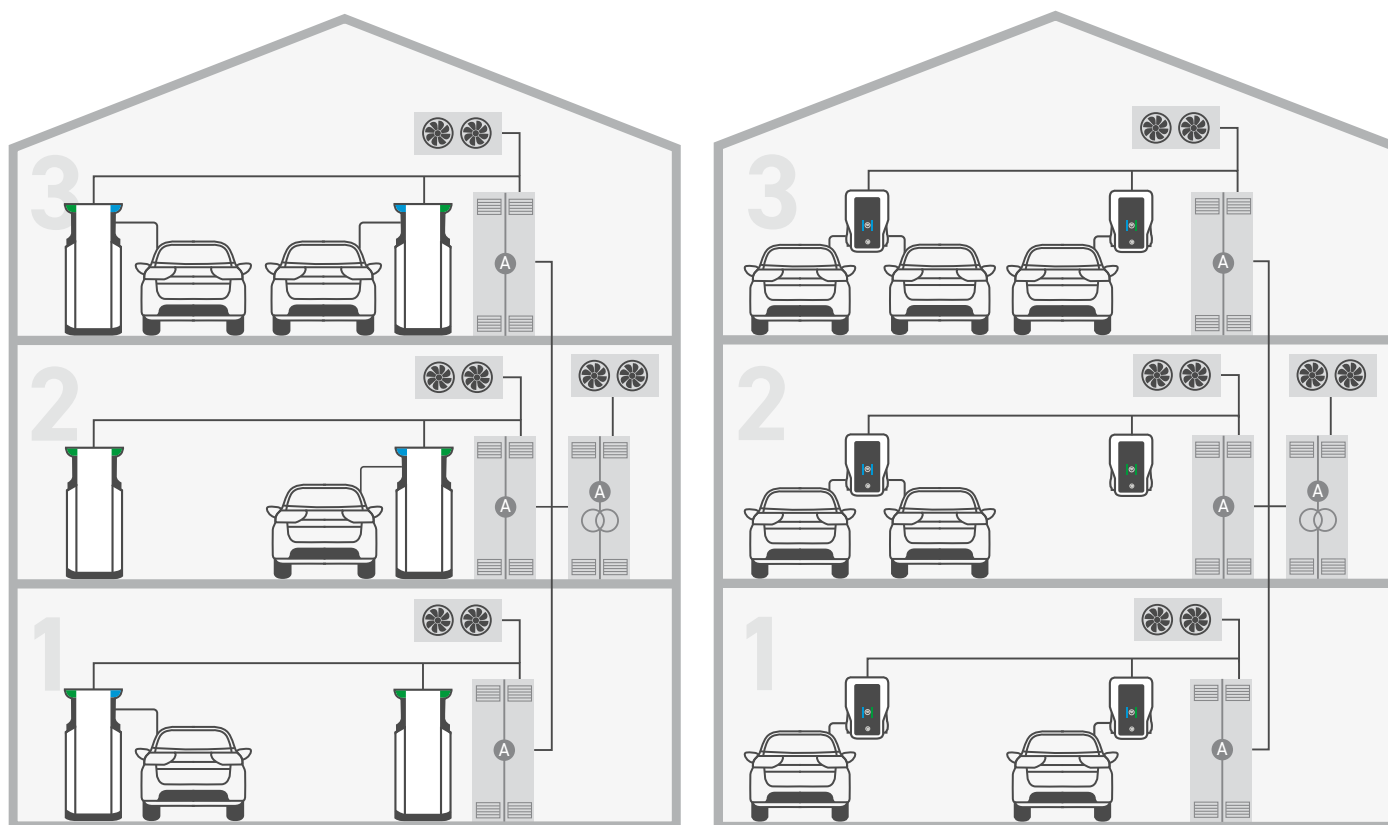
Precautions and measures need to be taken to ensure the safe operation of the charging process. It is essential to prevent accidents, protect people and properties, and ensure cybersecurity. To achieve that, proper design, installation, and adherence to standards are crucial.

Ensto Wallbox and Ensto Pro charging stations are designed to meet the latest EV charging requirements and standards. They feature integrated safety mechanisms such as DC residual current detection, Mode 3 lock release, voltage monitoring, and overcurrent detection.

In terms of cybersecurity, Ensto charging stations support regular threat mitigations and firmware updates. Customers may use dedicated M2M/VPN services for even more secured data communication. Access control and password practices are also available to ensure secure usage of the charging infrastructure.

Load management in EV Charging

Convenient charging with optimized energy consumption



Ensto Pro DLM

Ensto Wallbox DLM



Grid connection



Level 1-2 meters



Other loads

Load management in electric vehicle charging optimizes power distribution among charging points, ensuring maximum power to the vehicle. It can be implemented at the individual charging station level or as dynamic load management (DLM) for a group of stations. DLM adjusts power allocation to balance the load and prevent overloading.

Ensto DLM is a smart software solution that supports various meter models and is scalable up to any number of charging stations. A primary charger controls

multiple stations via Ethernet network. It shares available power between them and can make real-time adjustments according to total power available.

Additional to standard DLM, a multi-level dynamic load management (mDLM) can be implemented to provide common load management solution for different distribution levels (to regulate power usage across grid connection and distribution boards, where installation may include more than one external metering levels.

Ensto Wallbox and Ensto Pro offer state-of-the-art energy management. They optimize energy consumption and reduce implementation costs by regulated power usage. Our charging solutions are expandable and future-proof. They are smart and reliable choices for businesses and industries looking to optimize their energy consumption and reduce their carbon footprint.

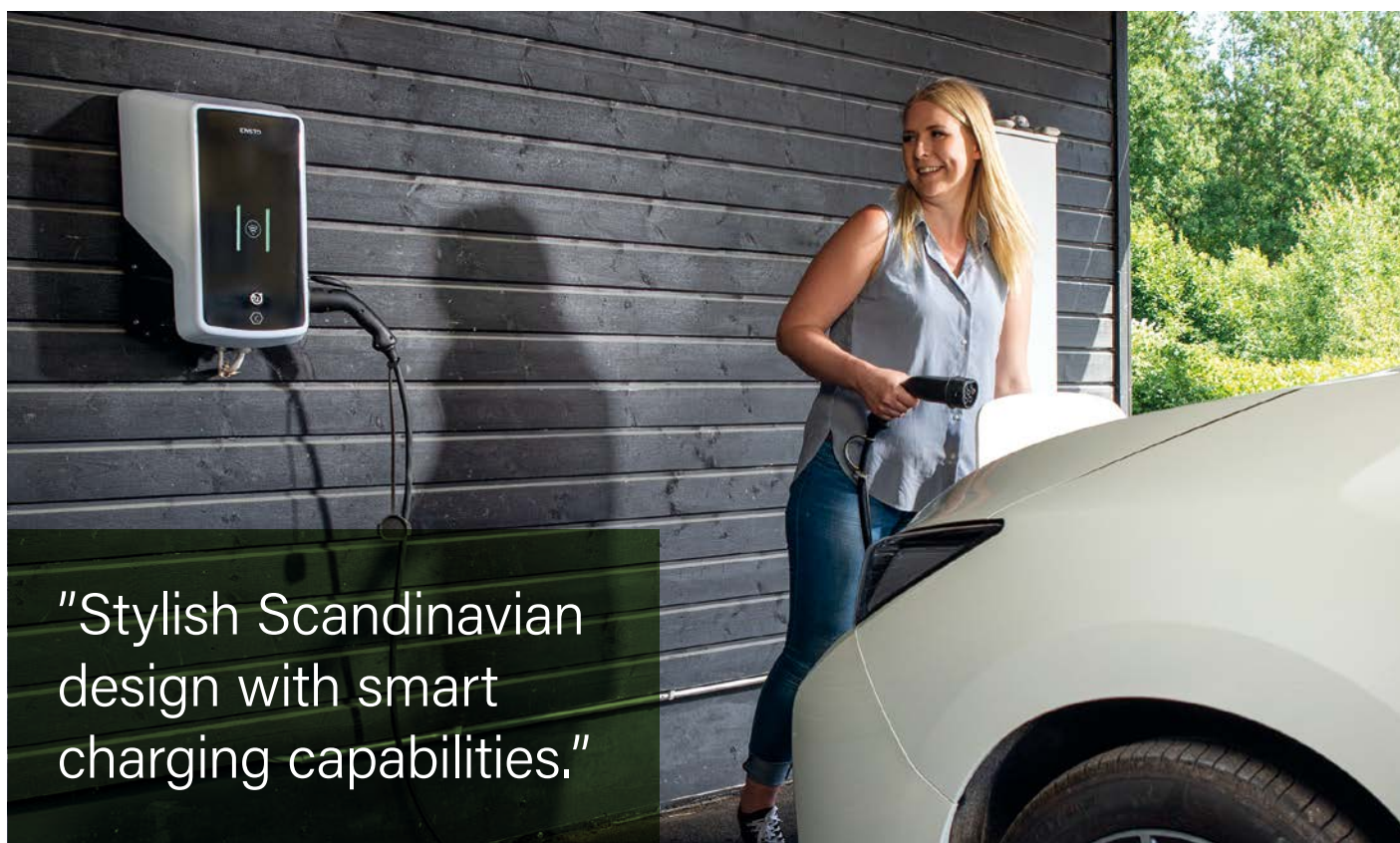




Ensto Wallbox

EV charging with maximum power

The compact and powerful Ensto Wallbox is a future-proof solution designed to deliver reliable and great EV charging experience for any business.



"Stylish Scandinavian design with smart charging capabilities."



"Enables charging at any weather conditions."

Even if the winter is coming

Ensto enables EV charging wherever people move

Ensto Wallbox is perfect fit for large installations in car parks, offices, and condominiums – offering the best charging experience with smart charging solutions. Ensto Wallbox provides maximum charging where one charging station can provide 22kW power from both outlets!

IT'S SMART

OCPP1.6 and dynamic load management are basic features of Ensto Wallbox. On top of which it provides ISO15118 readiness for future needs. With these Ensto Wallbox qualifies as smartest EV charger on market.

IT'S TOUGH

The structure of Ensto Wallbox guarantees durability for both the weather (IP54) and external impacts (IK10).

IT'S FLEXIBLE

Agile factory commissioning to back-end systems, inbuilt 4G/LAN/Wifi communication options and wide range of customer tailorings make Ensto Wallbox the most suitable selection to customers.

IT'S INTUITIVE

Ensto Wallbox provides user-friendly charging experience together with convenient design and simple user interfaces with Type 2 charging outlets and in-build RFID reader.





Charging station with one 22kW charging outlet



Charging station with two 22kW charging outlets



Extension box variant: Charging station with two 22kW charging outlets

FUTURE PROOF EV CHARGING SOLUTION

- Wide range of connectivities: 4G/LAN/Wifi/EIA-485
- Native OCPP communication
- MID class energy meter
- Built-in single and multi-level load management capabilities (DLM, mDLM)
- ISO15118 support, Plug&Charge certified by Hubject

ROBUST AND SAFE PRODUCT DESIGN

- Compliant with IEC 61851-1:2019 standard
- IP54 & IK10
- Integrated residual current monitoring module for DC residual current leakage detection (RDC-DD, 6mA)
- RCBO's available with selected models
- Mode 3 lock release

TAILORING OPTIONS ENABLE VERSATILE INSTALLATIONS

- Select 1 or 2 Mode 3/Type 2 sockets (1x22kW, 2x22kW, adjustable charging current 6A...32A)
- Select 2x22kW extension box variant (friends call this "piggypack") with upwards/downwards supply cable feed options making it ideal for parking halls and busbar installations
- Select wall mounting or pole mounting

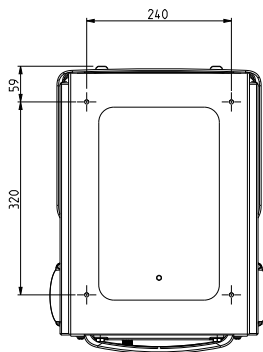
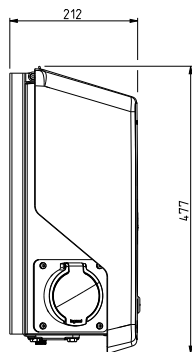
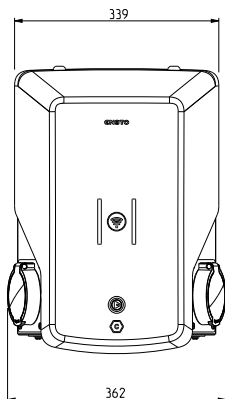
CONVENIENT FOR THE END-USER

- User authentication with in-built RFID reader
- Status indicator lights for ease of use (green, blue, red)

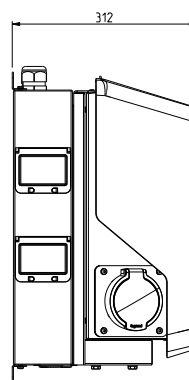
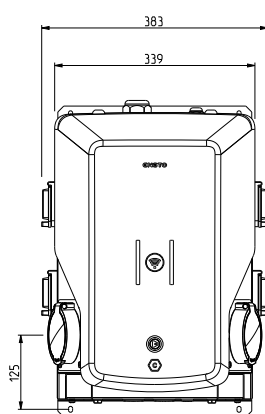
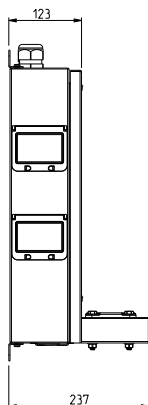
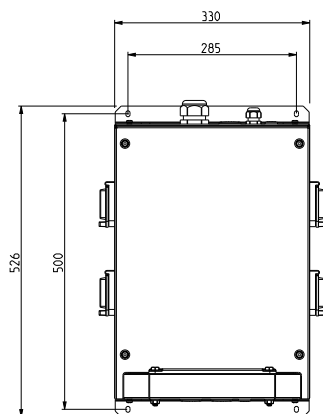


NEED FOR CUSTOMIZATION?

We provide different product tailoring options from customized stickers and logos over to factory commissioning services. Please contact us to find a perfect solution for your needs!



EVB200B-A4BC



EVB200EB-B4BC

Feature	EVb100B-A4BC	EVb100B-B4BC	EVb200B-A4BC	EVb200EB-B4BC
No of charging outlets	1	1	2	2
Nominal Power	1x22kW	1x22kW	2x22kW	2x22kW
Nominal charging current	3x32A	3x32A	3x32A	3x32A
Connector type	Mode 3/Type 2	Mode 3/Type 2	Mode 3/Type 2	Mode 3/Type 2
IP class	IP54	IP54	IP54	IP54
IK class	IK10	IK10	IK10	IK10
Communication ¹⁾	4G, LAN, Wifi	4G, LAN, Wifi	4G, LAN, Wifi	4G, LAN, Wifi
OCPP1.6-JSON	•	•	•	•
DLM, mDLM ²⁾	•	•	•	•
ISO15118	•	•	•	•
RFID reader	•	•	•	•
Energy meter (MID class)	•	•	•	•
RCBO	-	•	-	•
6mA RDC-DD	•	•	•	•
Mode3 lock release	•	•	•	•

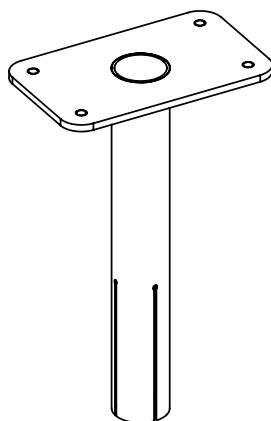
• Included on the product as standard

- Not available

¹⁾ Communication: 4G (LTE, micro SIM), LAN (Ethernet), Wifi (2,4GHz)

²⁾ DLM, mDLM: Embedded load management functionality. Does not include external meters (if needed for the installation).

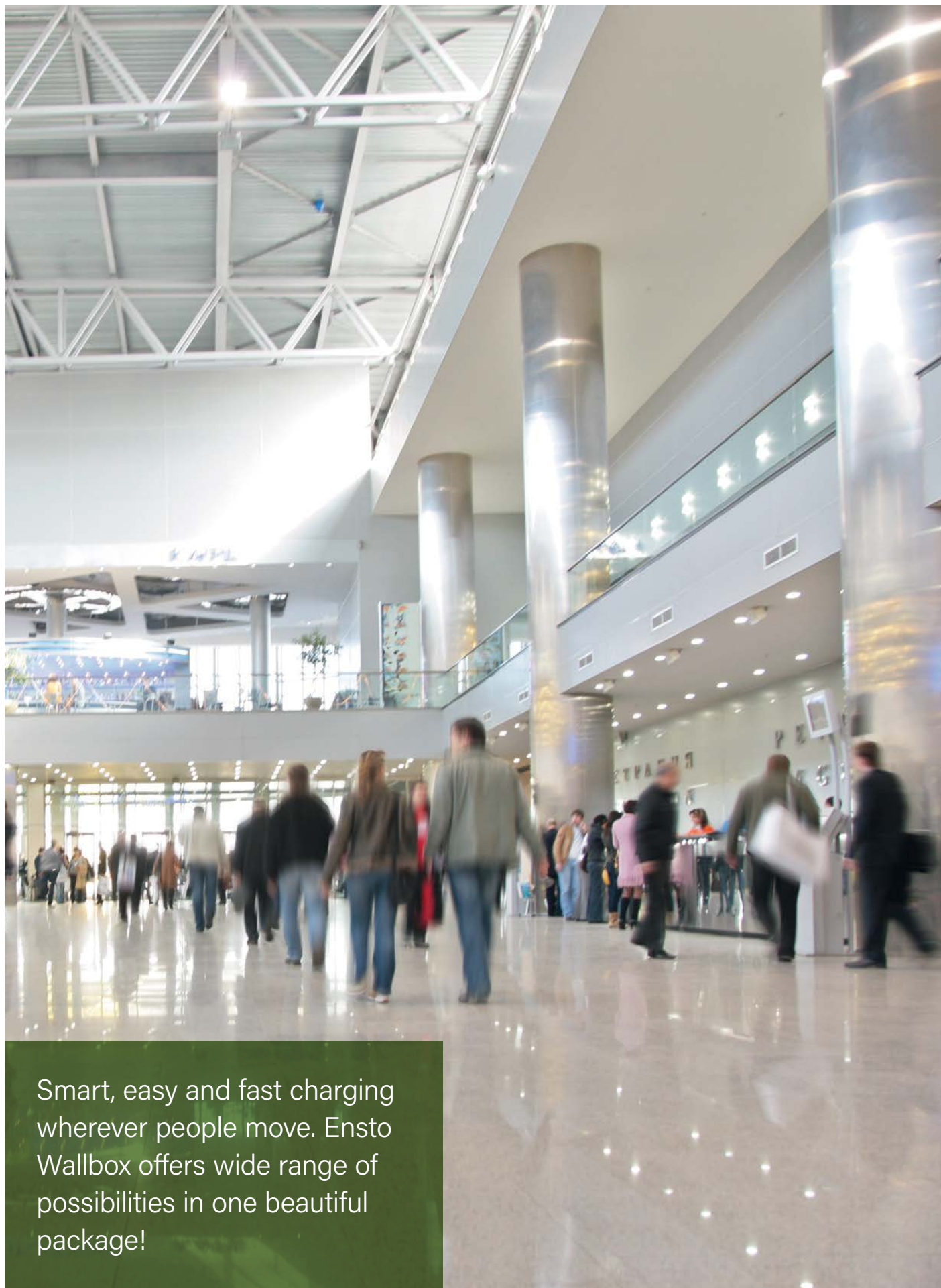
Mechanics	Installation
IEC 61851-1:2019 compliant	Wall installation (as default)
Cover material: • Plastic (PETG, ABS), white and black front sticker Frame material: • Powder coated mild steel (RAL7021 "Anthracite")	Pole installation with optional EVTL accessories: • EVTL43.00 (EVB mounting pole) • EVTL44.00 (EVB adapter for concrete base)
Ingress resistance class: • IP54	Extension box product variant with both upwards/downwards supply cable feed options
Impact protection class: • IK10	Supported electricity grid: • TN (3-ph, 400VAC) • IT (1-ph, 230VACp-p)
Ambient temperature range: • -25 °C - +50 °C	Connection terminals: • L1-3, N, PE Cu 2.5-16 mm ²



EVTL44.00








EVTL43.00



Smart, easy and fast charging wherever people move. Ensto Wallbox offers wide range of possibilities in one beautiful package!

Ensto enables smart EV charging for everyone!

	HOME CHARGING			WORK CHARGING		PUBLIC CHARGING
	ENSTO ONE HOME	ENSTO ONE	ENSTO WALLBOX	ENSTO PRO	ENSTO MEDIA	
						
	Super easy and safe home charger. It's the One for you.	Easy and smart home charging at apartment buildings or shared parking.	Modular solution for single or dual EV charging. Compact and user-friendly design.	An easy-to-use, long lifetime AC charging station for public EV charging.	Uniquely combines EV charging and outdoor advertisement with its stunning digital display.	
1-PHASE	x	x	x	x	x	
3-PHASE	x	x	x	x	x	
KW / OUTLET	3,6 / 7,4 / 11 / 22	3,6 / 7,4 / 11 / 22	22	22	22	
SMART	Local load management	x ³⁾	x	x	x	
DATA CONNECTION	-	Ethernet	4G/LAN/Wifi	4G/LAN/Wifi	LAN/4G	
FIXED CABLE	x	-	-	-	-	
CABLE RELEASE	-	x	x	x	x	
NEEDED RCD	A or built-in ¹⁾	built-in	A or built-in ¹⁾	built-in	built-in	
CHARGING OUTLETS	1	1	1-2	2	2	
USER CONTROL	x ¹⁾	x ⁴⁾	x ⁴⁾	x ⁴⁾	x ⁴⁾	
LOAD MANAGEMENT	-	x ²⁾	x	x	x	
MID-METER	-	x	x	x	x	

¹⁾ Charger Control app

²⁾ Cloud based, internet access mandatory

³⁾ Cloud-based OCPP communication for EV Operators

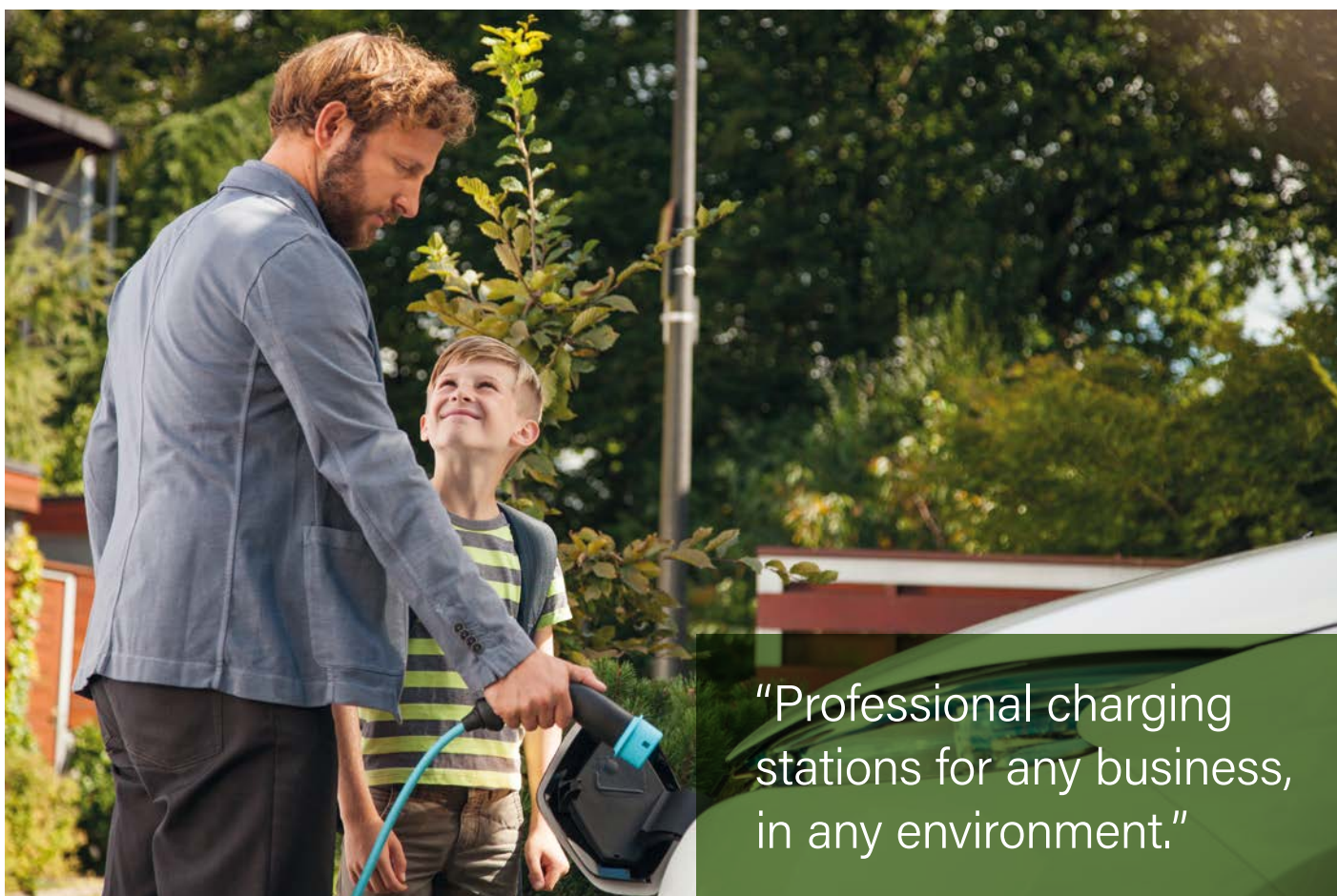
⁴⁾ In-built RFID reader, EV Operator specific solutions via OCPP



Ensto Pro

EV charging with maximum durability

The intelligent and durable Ensto Pro is a future-proof solution designed for demanding conditions such as on-street locations and areas where the charging point owner wants to offer reliable charging experience.



"Professional charging stations for any business, in any environment."



Your business, your pleasure

Ensto Pro will serve your business needs everywhere

Robust and safe product design for demanding environments! Ensto Pro is real work-horse for professionals and charging station owners who look for reliability. It includes solid-proof features and abilities for public charging environment to serve EV drivers, owners and EV operators!

IT'S SMART

OCPP1.6 and dynamic load management are basic features of Ensto Pro. On top of which it provides ISO15118 readiness for future needs. With these Ensto Pro qualifies as smartest EV charger on market.

IT'S TOUGH

The full metal structure of Ensto Pro guarantees durability for both the weather (IP54) and external impacts (IK10).

IT'S FLEXIBLE

Agile factory commissioning to back-end systems, inbuilt 4G/LAN/Wifi communication options and wide range of customer tailorings make Ensto Pro the most suitable selection to customers.

IT'S SAFE

Ensto Pro has built-in residual current devices (RCD TypeA/30mA, RCD-DD/6mA) and overcurrent (MCB/32A) protection. This guarantees user safety and installation according to regulations. By having the safety on-board, also simplifies and fastens the installation.





FUTURE PROOF EV CHARGING SOLUTION

- Wide range of connectivities: 4G/LAN/Wifi/EIA-485
- Native OCPP communication
- MID class energy meter
- Built-in single and multi-level load management capabilities (DLM, mDLM)
- ISO15118 support, Plug&Charge certified by Hubject

SIMPLICITY IN INSTALLATIONS

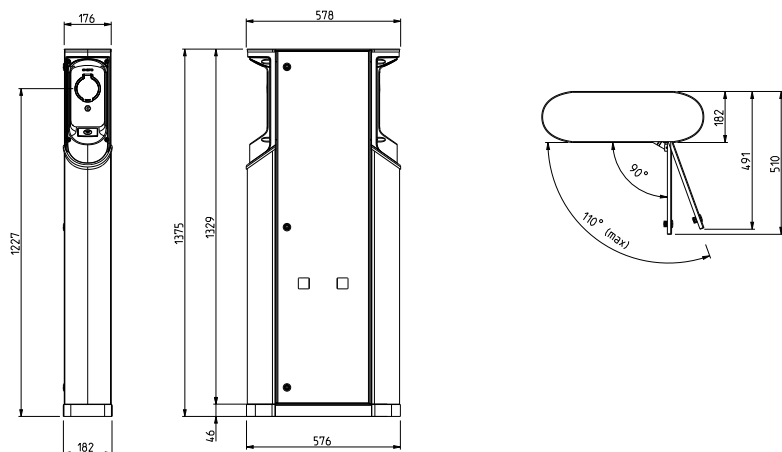
- Supports charging two EVs simultaneously (Mode 3/Type 2 sockets, 2x22kW, adjustable charging current 6A...32A)
- Ground mounting
- Distribution cabinet version (EVF300)

CONVENIENT FOR THE END-USER

- User authentication with RFID/NFC
- Status indicator lights for ease of use (green, blue, red)

ROBUST AND SAFE PRODUCT DESIGN FOR DEMANDING ENVIRONMENTS

- IP54 & IK10
- In-built RCD (Type A) & MCB
- Integrated residual current monitoring module for DC residual current leakage detection (RDC-DD, 6mA)
- Optionally remotely controlled and monitored RCD reclosing functionality (ARD) to improve charger uptime
- Mode 3 lock release



EVF200B-A4BC, EVF200B-B4BC

NEED FOR CUSTOMIZATION?

We provide different product tailoring options from customized stickers and logos over to factory commissioning services. Please contact us to find a perfect solution for your needs!



Ensto Pro offers many possibilities, where EVF300 is Ensto Pro's specific distribution cabinet variant designed especially for the needs of charge point operators and energy companies.

Feature	EVF200B-A4BC	EVF200B-B4BC	EVF300B-A4BC	EVF300B-B4BC
No of charging outlets	2	2	2	2
Distribution cabinet	-	-	■	■
Nominal Power	2x22kW	2x22kW	2x22kW	2x22kW
Nominal charging current	3x32A	3x32A	3x32A	3x32A
Connector type	Mode 3/Type 2	Mode 3/Type 2	Mode 3/Type 2	Mode 3/Type 2
IP class	IP54	IP54	IP54	IP54
IK class	IK10	IK10	IK10	IK10
Communication ¹⁾	4G, LAN, Wifi	4G, LAN, Wifi	4G, LAN, Wifi	4G, LAN, Wifi
Ocpp1.6-JSON	■	■	■	■
DLM, mDLM ²⁾	■	■	■	■
ISO15118	■	■	■	■
RFID reader	■	■	■	■
Energy meter (MID class)	■	■	■	■
RCD Type A + MCB	■	■	■	■
6mA RDC-DD	■	■	■	■
RCD reclosing motor (ARD)	-	■	-	■
Mode3 lock release	■	■	■	■

• Included on the product as standard

- Not available

¹⁾ Communication: 4G (LTE, micro SIM), LAN (Ethernet), Wifi (2,4GHz)

²⁾ DLM, mDLM: Embedded load management functionality. Does not include external meters (if needed for the installation).

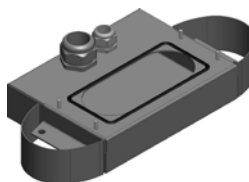
Mechanics	Installation
IEC 61851-1:2019 compliant	Ground mounting
Frame material: • Painted aluminum and stainless steel (RAL9016)	Mounting accessories (EVF200B): • EVTL28.00 (EVF ground installation frame) • EVTL32.00 (EVF ground mounting box, cable entry from bottom) • EVTL34.00 (EVF ground mounting box, cabling from top) • EVTL36.00 (EVF adapter for concrete base) Mounting accessories (EVF300B): • EVTL35.00 (EVF ground mounting box, cable entry from bottom) • EVTL37.00 (EVF adapter for concrete base)
Ingress resistance class: • IP54	Optionally distribution cabinet version (EVF300)
Impact protection class: • IK10	Supported electricity grid: • TN (3-ph) • IT (1-ph, 230Vp-p)
Ambient temperature range • -25 °C - +50 °C	Connection terminals: • L1-3, N, PE Cu 2.5-16 mm ²



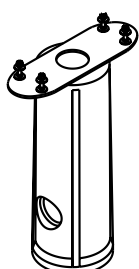
EVTL28.00



EVTL32.00



EVTL34.00



EVTL36.00



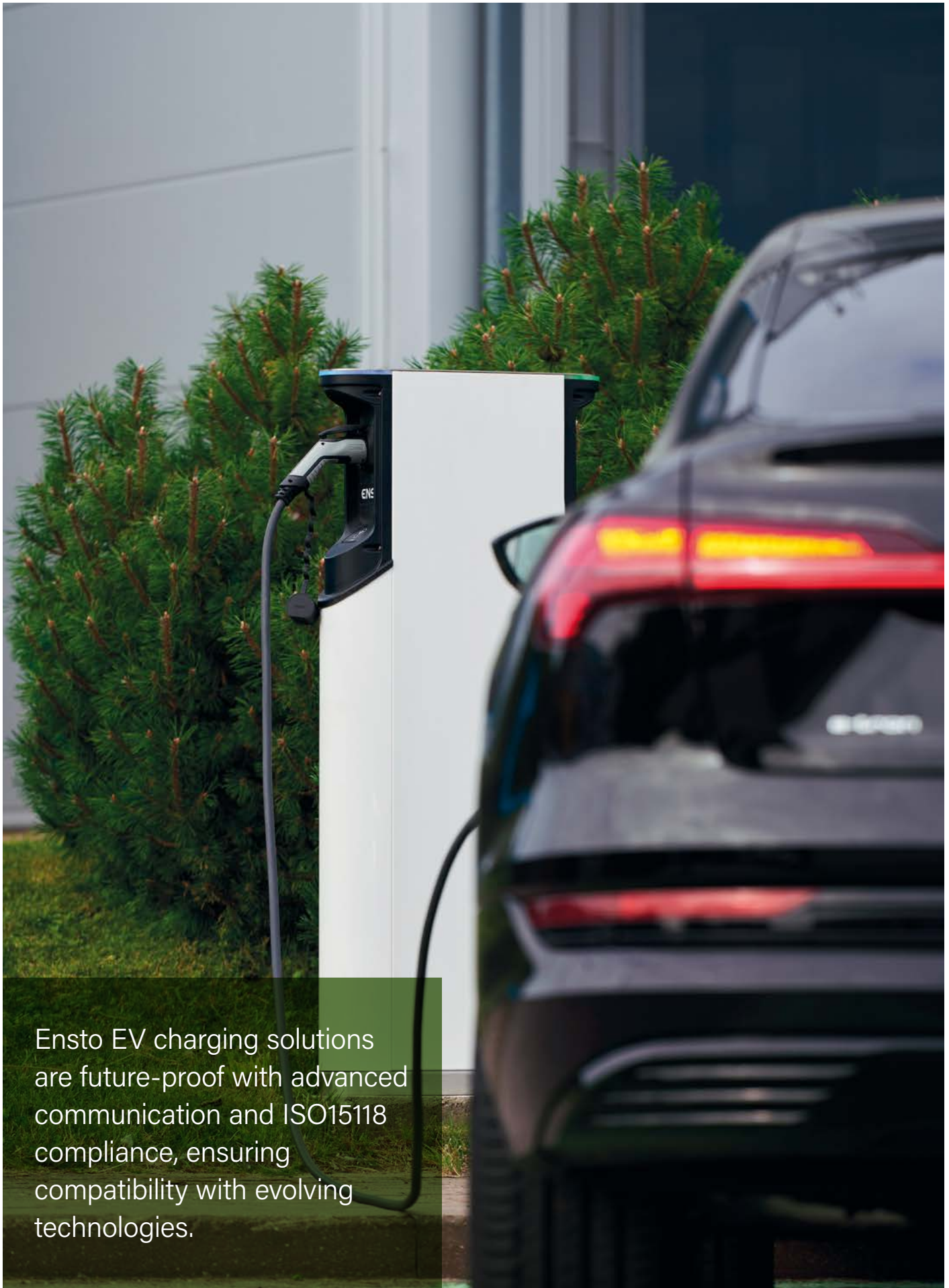
EVTL35.00



EVTL37.00



EVF300B



Ensto EV charging solutions are future-proof with advanced communication and ISO15118 compliance, ensuring compatibility with evolving technologies.

Ensto enables smart EV charging for everyone!

PUBLIC CHARGING				
WORK CHARGING				
HOME CHARGING				
				
ENSTO ONE HOME	ENSTO ONE	ENSTO WALLBOX	ENSTO PRO	ENSTO MEDIA
Super easy and safe home charger. It's the One for you.	Easy and smart home charging at apartment buildings or shared parking.	Modular solution for single or dual EV charging. Compact and user-friendly design.	An easy-to-use, long lifetime AC charging station for public EV charging.	Uniquely combines EV charging and outdoor advertisement with its stunning digital display.
X	X	X	X	X
X	X	X	X	X
3,6 / 7,4 / 11 / 22	3,6 / 7,4 / 11 / 22	22	22	22
Local load management	X ³⁾	X	X	X
-	Ethernet	4G/LAN/Wifi	4G/LAN/Wifi	LAN/4G
X	-	-	-	-
-	X	X	X	X
A or built-in ¹⁾	built-in	A or built-in ¹⁾	built-in	built-in
1	1	1-2	2	2
X ¹⁾	X ⁴⁾	X ⁴⁾	X ⁴⁾	X ⁴⁾
-	X ²⁾	X	X	X
-	X	X	X	X

- 1) Charger Control app

2) Cloud based, internet access mandatory

3) Cloud-based OCPP communication for EV Operators

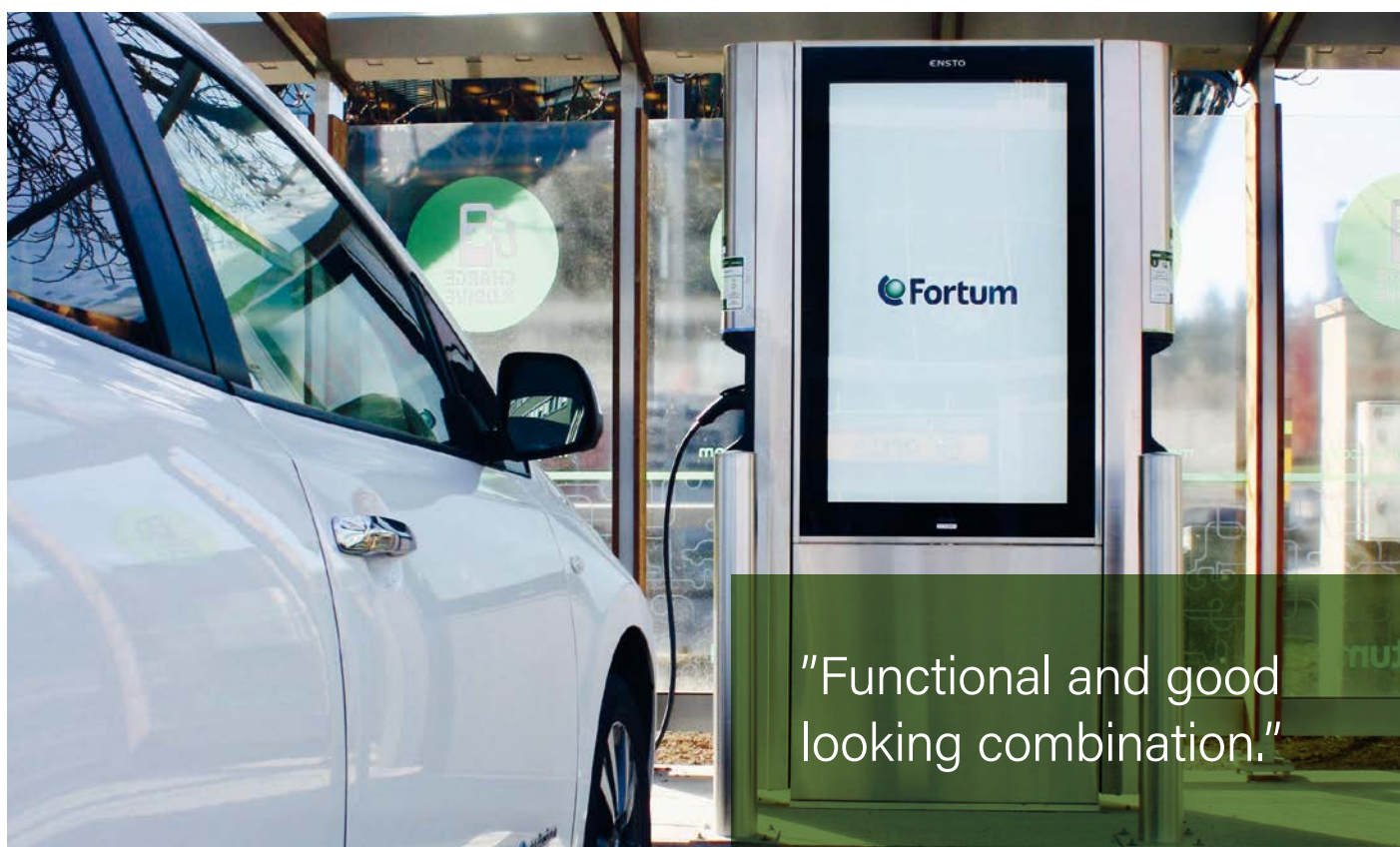
⁴⁾ In-built RFID reader, EV Operator specific solutions via OCPP



Ensto Media

Smart EV Charging with new possibilities

Ensto Media creates new possibilities for outdoor advertising and information sharing. Smart charging unit combined with big display will be highly visible in streets and parking lots.



"Functional and good looking combination."



"Smart and fast charging!"

Reliable and advanced charging technic!

Smart EV Charging is combined with outdoor advertising and brings information to the streets.

Ensto Media with outdoor media display is versatile and smart EV charging device. It brings new possibilities for sales, marketing and information sharing in urban and modern surroundings.

IT'S SMART

OCPP 1.6 and dynamic load management are basic features of Ensto Media. With these Ensto Media qualifies as smartest EV charger on market.

IT'S TOUGH

The structure of Ensto Media guarantees durability for both the weather (IP54) and external impacts (IK10).

IT'S SAFE

Ensto Media has built-in residual current devices (RCD Type A, 30mA and DC RCMB 6mA) and overcurrent protection. This guarantees user safety and installation according standards. This also allows installation without extra components in panel board.

IT SELLS

Large media display is great for outdoor advertising, different information sharing and searching. For example, combine commute traffic schedules and EV Charging to encourage citizens to support healthier choices in cities and other urban areas.





STRUCTURE

- Weather proof and robust construction
- Body: steel/aluminium, RAL 9006 "Panzer grey"
- IP54
- IK10
- Ambient temperature range -30...+50 °C

INSTALLATION

- Installation to ground on casted concrete base

FEATURES FOR EV CHARGING

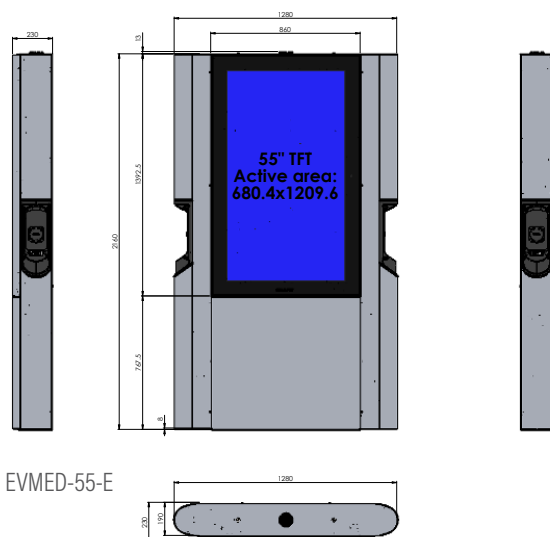
- Built-in Residual Current breaker (RCD-A + DC 6mA RCMB)
- Dynamic load management
- RFID user authentication
- OCPP1.6-JSON
- ISO15118 communication hardware ready
- Adjustable maximum current setting, max 32A / socket

FEATURES FOR MEDIA DISPLAY

- 55" TFT LCD Display 2500 cd/m² with automatic dimming
- TFT LCD size & format: 55" , 16/9 portrait
 - Active display area: 1210 x 680 mm
 - Resolution: 1920 x 1080 dots
- Industrial PC (default: Windows OS)
- 4G remote control
- Modular and service friendly construction, not needed scheduled replacement spare parts (filters e.g.)
- Excellent visibility in all viewing angles
- Automatic brightness control according ambient light
- Presents text, animation, pictures and video
- Low life cycle costs due to reliable TFT LCD technology with LED backlight

MADE TO ORDER

- Optional operating systems (OS): Linux or Windows
- Device with only DVI/HDMI interface screen without PC or modem



EVMED-55-E

Product code	Technical name	Media content management		
		Industrial PC	OS	Modem
55" screen charging station				
EVMED-55-E	EVMED-55-E 2x22kW IP54 Type2 Ethernet 4G	included	Windows OS	3G/4G

Ensto enables smart EV charging for everyone!

	WORK CHARGING			PUBLIC CHARGING	
	HOME CHARGING				
					
	ENSTO ONE HOME	ENSTO ONE	ENSTO WALLBOX	ENSTO PRO	ENSTO MEDIA
	Super easy and safe home charger. It's the One for you.	Easy and smart home charging at apartment buildings or shared parking.	Modular solution for single or dual EV charging. Compact and user-friendly design.	An easy-to-use, long lifetime AC charging station for public EV charging.	Uniquely combines EV charging and outdoor advertisement with its stunning digital display.
1-PHASE	x	x	x	x	x
3-PHASE	x	x	x	x	x
KW / OUTLET	3,6 / 7,4 / 11 / 22	3,6 / 7,4 / 11 / 22	22	22	22
SMART	Local load management	x ³⁾	x	x	x
DATA CONNECTION	-	Ethernet	4G/LAN/Wifi	4G/LAN/Wifi	LAN/4G
FIXED CABLE	x	-	-	-	-
CABLE RELEASE	-	x	x	x	x
NEEDED RCD	A or built-in ¹⁾	built-in	A or built-in ¹⁾	built-in	built-in
CHARGING OUTLETS	1	1	1-2	2	2
USER CONTROL	x ¹⁾	x ⁴⁾	x ⁴⁾	x ⁴⁾	x ⁴⁾
LOAD MANAGEMENT	-	x ²⁾	x	x	x
MID-METER	-	x	x	x	x

¹⁾ Charger Control app

²⁾ Cloud based, internet access mandatory

³⁾ Cloud-based OCPP communication for EV Operators

⁴⁾ In-built RFID reader, EV Operator specific solutions via OCPP



Ensto One Home

for single family houses

Ensto One Home makes your EV charging easy, safe and smart. Elegant and durable charging unit is with fixed charging cable a key to super electric driving experience. Smart connectivity enables local load management solutions.

3,6
kW


7,4
kW

11
kW

22
kW



"Super Electric
Charging at Home!"



"Plug-in or full EV,
Ensto One Home is
your choice!"

My home is my castle

Experience the future of charging at home

EVs or PHEVs spend most of their time at home, just like you. Ensto One Home is the easy and safe way to charge your car while you can concentrate on other, more important matters. Ensto One Home ensures the Super Electric Driving Experience.

SUPER EASY INSTALLING

Ensto One Home is easy and fast to install on the wall or on dedicated Ensto One pole. It's also super fast to get ready, Ensto Charger Control app enables adjusting charging current if needed and that's it!

SUPER EASY CHARGING

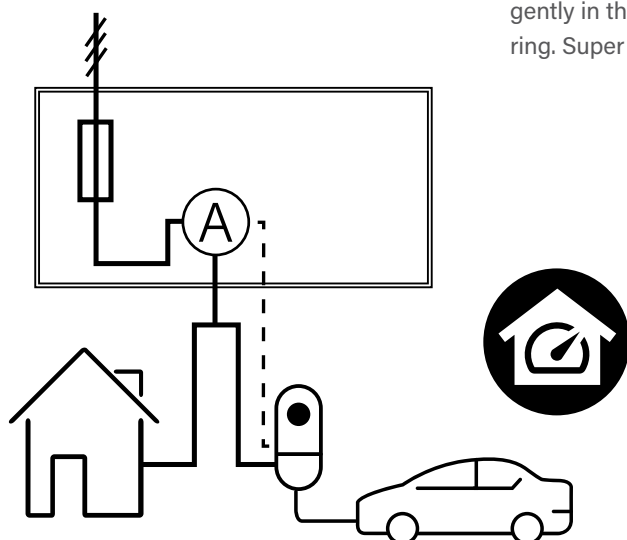
Ensto One Home is always equipped with fixed 5-meter charging cable and Type 2 plug. When not in use, plug rests gently in the middle of the indicator ring. Super easy, right?

SUPER SAFE CHARGING

Ensto One Home is designed according to latest standards concerning EV charging. It's made to last also in harsh weather conditions. Ensto One Home makes sure, that you're ready for your next super electric driving experience.

SMART CHARGING

Ensto One Home has available new smart connection features for load management purposes. These features enable to adjust charging current and charging event based on building's total energy consumption.



WHY LOAD MANAGEMENT MAKES PERFECT FIT WITH EV CHARGING:

- Enables to install EV charger on homes with limited power capacity
- Helps to optimize the needed grid fuse size and costs
- Provides adjustable & dynamic charging operation

STRUCTURE

- Enclosures polycarbonate (PC) plastic
- IP54
- IK10
- Ambient temperature range -40...+50 °C

INSTALLATION

- Wall installation as a default, optionally available also pole adapter and full length pole
- 1-phase (L1, N, PE) or 3-phase (L1, L2, L3, N, PE) Cu 2.5-10 mm²
- Ensto Charger Control mobile app for adjusting max. static charging current from 6A-16A/32A or enabling optional load management features

FEATURES

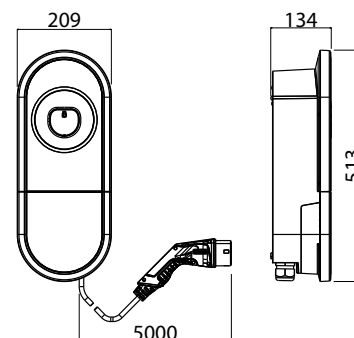
- Fixed, 5 m cable with Type 2 plug and integrated plug holder
- Two current versions 16A and 32A, 1-phase or 3-phase
- Operating current adjustable from 6A-16A/32A
- Start/stop charging from the app if authorized operating mode is selected
- Built-in Residual Current Monitoring module for DC current leakage detection (RDC-DD, 6mA)
- Optionally also residual current operated circuit-breaker with integral overcurrent protection (RCBO, 30mA)
- Dynamic load management together with external energy meter (installed on distribution board) and Modbus cabling for communication
- Override mode with NO/NC input for connecting external control device to manage charging event (ON/OFF)
- Scheduling allows EV driver to schedule charging event based on most optimal time



EVTL55.00



EVTL57.00



Product code	Technical name	Dynamic load management	Override	3,6 kW	7,4 kW	11 kW	22 kW	RCBO
Ensto One Home								
EVH161B-HC000	Ensto One Home 1x16A Type2 cable IP54 DLM	yes*	yes**	x				
EVH321B-HC000	Ensto One Home 1x32A Type2 cable IP54 DLM	yes*	yes**		x			
EVH161B-HCR00	Ensto One Home 1x16A Type2 cable RCBO IP54 DLM	yes*	yes**	x				x
EVH321B-HCR00	Ensto One Home 1x32A Type2 cable RCBO IP54 DLM	yes*	yes**		x			x
EVH163B-HC000	Ensto One Home 3x16A Type2 cable IP54 DLM	yes*	yes**			x		
EVH163B-HCR00	Ensto One Home 3x16A Type2 cable RCBO IP54 DLM	yes*	yes**			x		x
EVH323B-HC000	Ensto One Home 3x32A Type2 cable IP54 DLM	yes*	yes**				x	
EVH323B-HCR00	Ensto One Home 3x32A Type2 cable RCBO IP54 DLM	yes*	yes**				x	x
Supported energy meter models								
Ensto One Home supported energy meter for dynamic load management. Please see supported models and details on installation instructions. Sold separately.								
Installation accessories						Length	Height	Width
EVTL55.00	Ensto One pole adapter, double-sided					73 mm	427 mm	170 mm
EVTL57.00	Ensto One full length pole, double-sided					73 mm	1298 mm	170 mm

* Will require energy meter installed on distribution board and related Modbus cabling. See supported energy meter models.

** Override mode for connecting external control device to manage charging event (ON/OFF). Requires external contact NO/NC signal and cabling.

Ensto enables smart EV charging for everyone!

PUBLIC CHARGING					
WORK CHARGING					
HOME CHARGING					
					
	ENSTO ONE HOME	ENSTO ONE	ENSTO WALLBOX	ENSTO PRO	ENSTO MEDIA
	Super easy and safe home charger. It's the One for you.	Easy and smart home charging at apartment buildings or shared parking.	Modular solution for single or dual EV charging. Compact and user-friendly design.	An easy-to-use, long lifetime AC charging station for public EV charging.	Uniquely combines EV charging and outdoor advertisement with its stunning digital display.
1-PHASE	x	x	x	x	x
3-PHASE	x	x	x	x	x
KW / OUTLET	3,6 / 7,4 / 11 / 22	3,6 / 7,4 / 11 / 22	22	22	22
SMART	Local load management	x ³⁾	x	x	x
DATA CONNECTION	-	Ethernet	4G/LAN/Wifi	4G/LAN/Wifi	LAN/4G
FIXED CABLE	x	-	-	-	-
CABLE RELEASE	-	x	x	x	x
CABLE RCD	A or built-in ¹⁾	built-in	A or built-in ¹⁾	built-in	built-in
NEEDED RCD	1	1	1-2	2	2
CHARGING OUTLETS	x ¹⁾	x ⁴⁾	x ⁴⁾	x ⁴⁾	x ⁴⁾
USER CONTROL	-	x ²⁾	x	x	x
LOAD MANAGEMENT	-	x	x	x	x
MID-METER	-	-	-	-	-
¹⁾ Charger Control app					
²⁾ Cloud based, internet access mandatory					

¹⁾ Charger Control app

²⁾ Cloud based, internet access mandatory

³⁾ Cloud-based OCPP communication for EV Operators

⁴⁾ In-built RFID reader, EV Operator specific solutions via OCPP

Ensto One

for apartments



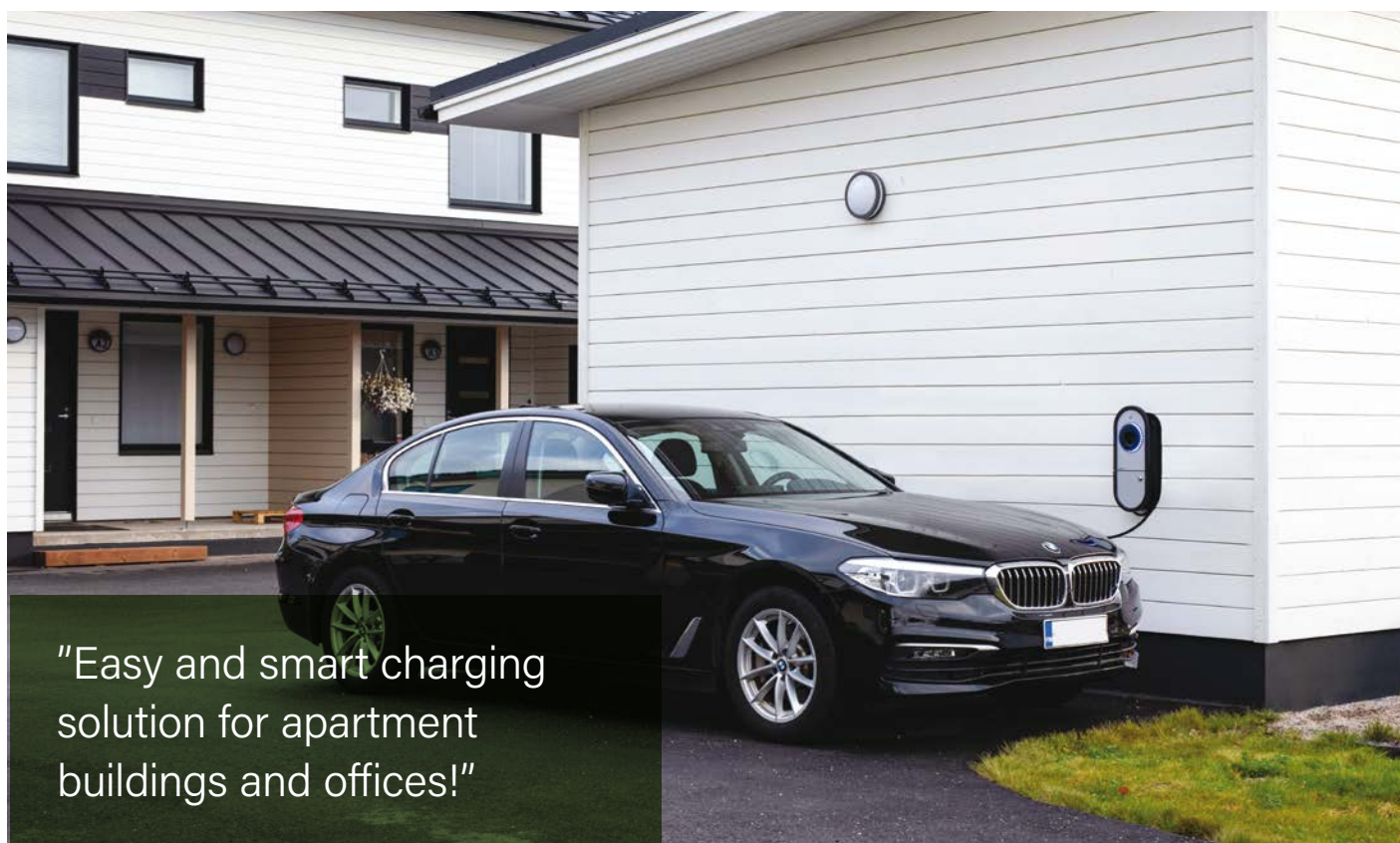
Ensto One is convenient solution for every day charging at apartment buildings as well as offices. Elegant and durable design hides a charging platform, which makes it perfect fit to be connected for EV operator platforms and services.

3,6
kW


7,4
kW

11
kW

22
kW



"Easy and smart charging solution for apartment buildings and offices!"



"Safe, easy and smart charging platform."

Ensto One – the one you need

For apartment buildings and shared charging

Ensto One provides wide power range 3,6 kW...22 kW that make sure that you can choose the power you need, whether you're a plug-in driver or all electric. When you rest, Ensto One charges your next experience.

EASY INSTALLING

Ensto One is easy and fast to install on the wall or on dedicated Ensto One pole. Ensto One chargers are factory-commissioned and prepared for selected EV Operator platforms, that simplifies the on-site work as well as simplifies complete solution commissioning.

EASY CHARGING

Plug in and that's it. Type 2 socket is the most common way to charge your PHEV or full EV. Simple charging experience with convenient status LEDs.

EASY CONTROLLING

Ensto One offering is available with selected EV Operator platforms. EV operator platform can be used for instance to enable user management with RFID's as well as user-based consumption reporting.

SAFE CHARGING

Ensto One is designed according to latest standards concerning EV charging and it's made to last also in harsh weather conditions. Ensto One has build-in Current Monitoring module for DC current leakage detection, residual current operated circuit-breaker with integral over-current protection as well as MID class energy meter.





STRUCTURE

- Enclosures polycarbonate (PC) plastic
- IP54
- IK10
- Ambient temperature range -40...+50 °C

INSTALLATION

- Wall installation as a default, optionally available also pole adapter and full length pole
- 1-phase (L1, N, PE) or 3-phase (L1, L2, L3, N, PE) Cu 2.5-10 mm²
- Mobile app (Bluetooth) for adjusting operating current from 6A-16A/32A
- Power daisy-chain possibility within both adapters, Cu 2,5 mm² - 16 mm²

FEATURES

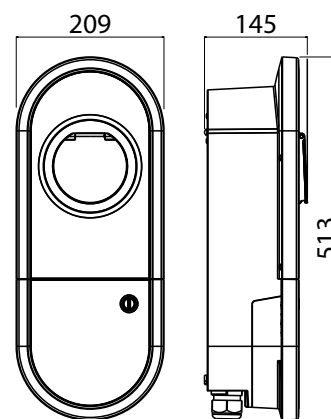
- Available 16A and 32A, 1-phase or 3-phase models
- Operating current adjustable from 6A-16A/32A
- Mode 3 Type 2 socket
- Built-in Residual Current Monitoring module for DC current leakage detection (RDC-DD, 6mA)
- Residual current operated circuit-breaker with integral over-current protection (RCBO, 30mA)
- MID energy meter on-board
- RFID reader for end-user authentication
- Cloud-based OCPP 1.6JSON Websocket connectivity for EV Operator platforms (Ethernet connection and EV operator's service contract mandatory to each charging station)
- Cloud based load management (Ethernet connection and EV operator's service contract mandatory to each charging station)



EVTL55.00



EVTL57.00



Product code	Technical name	Data connection	3,6 kW	7,4 kW	11 kW	22 kW	Type 2 socket	OCPP*	Schuko socket	RCBO	MID meter
Ensto One											
EVH161-A2RM0-EOPXXX	Ensto One 1x16A Type2 MID RCBO RFID Ethernet IP54	Ethernet	x				x			x	x
EVH321-A2RM0-EOPXXX	Ensto One 1x32A Type2 MID RCBO RFID Ethernet IP54	Ethernet		x			x			x	x
EVH163-A2RM0-EOPXXX	Ensto One 3x16A Type2 MID RCBO RFID Ethernet IP54	Ethernet			x		x			x	x
EVH323-A2RM0-EOPXXX	Ensto One 3x32A Type2 MID RCBO RFID Ethernet IP54	Ethernet				x	x			x	x
Installation accessories						Length	Height	Width			
EVTL55.00	Ensto One pole adapter, double-sided					73 mm	427 mm	170 mm			
EVTL57.00	Ensto One full length pole, double-sided					73 mm	1298 mm	170 mm			

* Cloud-based OCPP 1.6JSON Websocket connectivity for EV Operator platforms.

Ensto enables smart EV charging for everyone!

PUBLIC CHARGING

WORK CHARGING

HOME CHARGING



ENSTO ONE HOME

Super easy and safe home charger. It's the One for you.



ENSTO ONE

Easy and smart home charging at apartment buildings or shared parking.



ENSTO WALLBOX

Modular solution for single or dual EV charging. Compact and user-friendly design.



ENSTO PRO

An easy-to-use, long lifetime AC charging station for public EV charging.



ENSTO MEDIA

Uniquely combines EV charging and outdoor advertisement with its stunning digital display.

X

X

3,6 / 7,4 / 11 / 22

Local load management

-

X

-

A or built-in¹⁾

1

X¹⁾

-

-

X

X

3,6 / 7,4 / 11 / 22

X³⁾

Ethernet

-

X

built-in

1

X⁴⁾

X²⁾

X

X

X

22

X

4G/LAN/Wifi

-

X

A or built-in¹⁾

1-2

X⁴⁾

X

X

X

X

22

X

4G/LAN/Wifi

-

X

built-in

2

X⁴⁾

X

X

X

X

22

X

LAN/4G

-

X

built-in

2

X⁴⁾

X

X

1-PHASE

3-PHASE

KW / OUTLET

SMART

DATA CONNECTION

FIXED CABLE

CABLE RELEASE

NEEDED RCD

CHARGING OUTLETS

USER CONTROL

LOAD MANAGEMENT

MID-METER

¹⁾ Charger Control app

²⁾ Cloud based, internet access mandatory

³⁾ Cloud-based OCPP communication for EV Operators

⁴⁾ In-built RFID reader, EV Operator specific solutions via OCPP

Notes

[illegible]

Yritys pidättää itsellään oikeuden muuttaa tuotteiden ominaisuuksia ja ulkoasua jatkuvan tuotekehityskäytännön nimissä. Tämän esitteen kuvat, kuvaukset, mitat ja painot eivät ole sitovia, ja niitä voidaan muuttaa ilman erillistä ilmoitusta.

SOLUTIONS FOR MODERN CHARGING



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