EV Charger Brochure 2022

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Home Chargers

OE Mini Home Charger

Our single phase 7KW AC charger saves space and is easy to operate, making it an ideal solution for your home or company.

The product design is highly integrated and compact, measuring smaller than an A4 paper. Plus it has maximum 32A output current, specially designed for private use.

With protection grade up to IP54, it's suitable for both indoor and outdoor applications. The compact design supports wall mount and floor-stand installation.

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Datasheet	Model	OE Mini Home Charger
Input	Power Supply	1P+N+PE
	Voltage	230V ± 10%
	Frequency	50/60Hz
Output	Voltage	230V ± 10%
	Maximum Current	32A
	Power	7kW
Structure Design	Installation Method	Wall mount
	Housing Material	Plastic
	Wall-mount Bracket	Not necessary
	Charging outlet	One charging gun (type 2)
	LED Indicator	Yes
	LCD Screen	No
	Emergency Stop	Yes
	Wi-Fi	No
	RFID Function	No
	RFID Card	No

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Datasheet	Model	OE Mini Home Charger
Environmental Index	Operating temperature	-30℃~+50℃
	Work Humidity	5%~95%
	Work Altitude	<2000m
	Protection Grade	IP54
	Application site	Indoor/Outdoor
	Cooling method	Natural cooling
Security Protection	Multiple Protection	Over current protection, Residual current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection
	MTBF	100,000 hours
	Certification Standard	IEC 61851-1: 2017, IEC 62196-2: 2016
	Warranty	2 Years
Package	Product Dimension	180*130*120mm (H*W*D)
	Package Dimension	200*150*140mm (L*W*H)
	Net Weight	3.6kg
	Gross Weight	4.5kg
	External Package	Carton

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OE Smart Home Charger

Intelligent Control
- Wireless communication (Wi-Fi/Bluetooth)
- OCPP communication protocol with CMS
- Smart charge or scheduled charge by App

Innovativeness
- Minimal size, streamline design
- Home use with intelligent App control

Secure and Safe
- 6mA DC residual current protection
- Anti-welding protection

Flexible Option
- Type 1 or Type 2 charging cable
- App operation or RFID authentication or plug and play
- Wall-mount or floor-stand installation

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Datasheet	Model	7kW	11kW
Input	Power Supply	1P+N+PE	3P+N+PE
	Rated Voltage	230V AC	400V AC
	Rated Current	32A	16A
	Frequency	50/60Hz	50/60Hz
Output	Output Voltage	230V AC	400V AC
	Maximum Current	32A	16A
	Rated Power	7kW	11kW
User Interface	Charge Connector	Type 2 Cable	
	Cable Length	4m	
	Enclosure	Plastic PC940	
	LED Indicator	Green / Yellow / Red	
	RFID Reader	Mifare ISO/IEC 14443 A	
	Start Mode	Plug & Play / RFID Card / App	
	Emergency Stop	No	
Communication	Wi-Fi	Yes	
	Bluetooth	Optional	
	OCPP	OCPP 1.6 Json (OCPP 2.0 optional)	

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Datasheet	Model	7kW	11kW
Safety	Energy Meter	No	
	RCD	6mA DC	
	Ingress Protection	IP65	
	Impact Protection	IK10	
	Electrical Protection	Over current protection, Residual current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection	
	Certification	CE	
	Certification Standard	EN/IEC 61851-1: 2017, EN/IEC 61851-21-2: 2018	
	Warranty	2 Years	
Environment	Installation	Wall-Mount/Floor-stand	
	Work Temperature	-30℃~+50℃	
	Work Humidity	5%~95%	
	Work Altitude	<2000m	
Package	Product Dimension	325*181*87mm (H*W*D)	
	Package Dimension	434*324*210mm (L*W*H)	
	Net Weight	3.2kg	
	Gross Weight	4.0kg	
	External Package	Carton	

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Commercial Chargers

![ONE EV SOLUTIONS logo]

OE Empower

AC Commercial Charger

(Available in 7KW Single-phase & 22KW Three-phase)

OE Empower Charger

Innovativeness
- Temper glass panel, modern design
- Business use with intelligent App control
- Wi-Fi Mesh technique, saving cost on wire installation

Intelligent Control
- Wireless communication (Wi-Fi/Bluetooth), Ethernet/4G optional
- OCPP communication protocol with CMS
- Intelligent operation by App and cashless payment

Flexible Option
- Universal Type 2 socket, optional with Type 1/Type 2 charging cable
- App operation or RFID authentication or plug and play
- Wall-mount or floor-stand installation

Secure and Safe
- RCD Type A and 6mA DC residual current protection
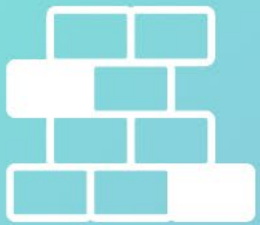- MID certified energy meter with accurate measurement

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Wifi/3G
Connection

RFID Function

Wall Mounted

Card Payment
Function

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Datasheet	Model	7kW Single-Phase	22kW Three-Phase
Input	Power Supply	1P+N+PE	3P+N+PE
	Rated Voltage	230V AC	400V AC
	Rated Current	32A	32A
	Frequency	50/60Hz	50/60Hz
Output	Output Voltage	230V AC	400V AC
	Maximum Current	32A	32A
	Rated Power	7kW	22kW
User Interface	Charge Connector	Type 2 Socket	
	Enclosure	Plastic PC940	Galvanised Steel
	Left/Right Panel	Temper Glass	
	LED Indicator	Green / Yellow / Red	
	LCD Display	2.7" black and white screen	
	RFID Reader	Mifare ISO/IEC 14443 A	
	Start Mode	Plug & Play / RFID Card / App	
	Emergency Stop	No	
Communication	Wi-Fi	Yes	
	Ethernet	Optional	
	3G/4G	Optional	
	OCPP	OCPP 1.6 Json (OCPP 2.0 optional)	

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Datasheet	Model	7kW Single-Phase	22kW Three-Phase
Safety	Energy Meter	MID Certified	
	RCD	30mA Type A + 6mA DC	
	Ingress Protection	IP54	
	Impact Protection	IK08	
	Electrical Protection	Over current protection, Residual current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection	
	Certification	CE	
	Certification Standard	EN/IEC 61851-1: 2017, EN/IEC 61851-21-2: 2018	
	Warranty	2 Years	
Environment	Installation	Wall-Mount/Floor-stand	
	Work Temperature	-30℃~+50℃	
	Work Humidity	5%~95%	
	Work Altitude	<2000m	
Package	Product Dimension	356*221*136mm (H*W*D)	452*295*148mm (H*W*D)
	Package Dimension	490*330*210mm (L*W*H)	560*380*210mm (L*W*H)
	Net Weight	3.4g	11kg
	Gross Weight	4.2kg	12kg
	External Package	Carton	

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OE Envision

AC Twin Pedestal Commercial Charger

(Available in 7KW Single-phase & 22KW Three-phase)

OE Envision Charger

Innovativeness

- One charger with two output sockets
- Business use with intelligent App control
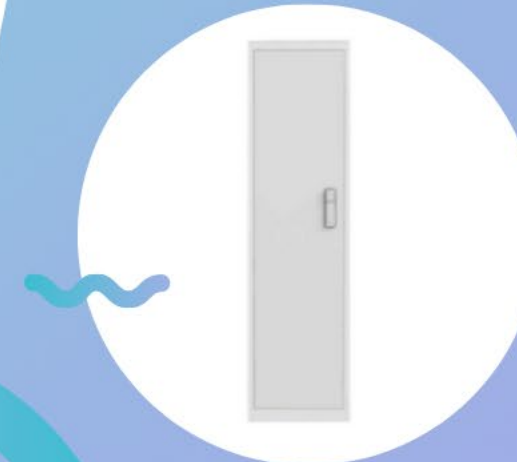- Vandal resistant and anti-corrosion

Intelligent Control

- Ethernet/4G/Wi-Fi communication all supported
- OCPP communication protocol with CMS
- Intelligent operation by App and cashless payment

Flexible Option

- App operation or RFID authentication or plug and play
- Customization with different colour painting

Secure and Safe

- RCD Type A and 6mA DC residual current protection
- MID certified energy meter with accurate measurement

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Wifi/3G
Connection

RFID Function

Free standing

Card Payment
Function

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Datasheet	Model	7kW Single-Phase	22kW Three-Phase
Input	Power Supply	1P+N+PE	3P+N+PE
	Rated Voltage	230V AC	400V AC
	Rated Current	64A	64A
	Frequency	50/60Hz	50/60Hz
Output	Output Voltage	230V AC	400V AC
	Maximum Current	2 x 32A	2 x 32A
	Rated Power	2 x 7kW	2 x 22kW
User Interface	Charge Connector	Type 2 Socket	
	Enclosure	Galvanised Steel	
	Left/Right Panel	Temper Glass	
	LED Indicator	Green / Yellow / Red	
	LCD Display	2.7" black and white screen	
	RFID Reader	Mifare ISO/IEC 14443 A	
	Start Mode	Plug & Play / RFID Card / App	
	Emergency Stop	No	
Communication	Wi-Fi	Yes	
	Ethernet	Yes	
	3G/4G	Yes	
	OCPP	OCPP 1.6 Json (OCPP 2.0 optional)	

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Datasheet	Model	7kW Single-Phase	22kW Three-Phase
Safety	Energy Meter	MID Certified	
	RCD	30mA Type A + 6mA DC	
	Ingress Protection	IP54	
	Impact Protection	IK08	
	Electrical Protection	Over current protection, Residual current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection	
	Certification	CE	
	Certification Standard	EN/IEC 61851-1: 2017, EN/IEC 61851-21-2: 201	
	Warranty	2 Years	
Environment	Installation	Floor-stand	
	Work Temperature	-30℃~+50℃	
	Work Humidity	5%~95%	
	Work Altitude	<2000m	
Package	Product Dimension	1200*290*230mm (H*W*D)	
	Package Dimension	1320*480*430mm (L*W*H)	
	Net Weight	25.5kg	
	Gross Weight	45kg	
	External Package	Wood Case	

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OE Enhance Charger

2 x 7KW and 2x 22KW commercial chargers. Designed to have 2 outputs and be able to charge two electric vehicles simultaneously. The floor stand design with dual charging sockets increases the usage rate while saving on installation costs.

Compliant with industry standards, the charger uses a meter to ensure accuracy and built-in RCD to secure safety. Charger includes Type B RCD.

The charger can be connected to a charging network. Multiple public chargers in one location can be integrated onto the network with only one internet connection. Thanks to open charge protocol OCPP 1.6, the charger operation and status is monitored and controlled by a backend or central management system.

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Datasheet	Model	7kW Single-Phase	22kW Three-Phase
Input	Power Supply	1P+N+PE	3P+N+PE
	Rated Voltage	230V AC	400V AC
	Rated Current	64A	64A
	Frequency	50/60Hz	50/60Hz
Output	Output Voltage	230V AC	400V AC
	Maximum Current	2 x 32A	2 x 32A
	Rated Power	2x 7kW	2x 22kW
User Interface	Charge Connector	Type 2 Socket	
	Enclosure	Galvanised Steel	
	Left/Right Panel	Temper Glass	
	LED Indicator	Green / Yellow / Red	
	LCD Display	Display of charging date	
	RFID Card	2pcs RFID Card	
	Start Mode	Plug & Play / RFID Card / App	
	Emergency Stop	Yes	
Communication	Wi-Fi	Yes	
	Ethernet	Yes	
	3G/4G	Yes	
	OCPP	OCPP 1.6	

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Datasheet	Model	OE-ACO14K-24	OE-AC044K-24
Safety	Energy Meter	Ordinary electric meter	
	RCD	Type B 4P 63A	
	Ingress Protection	IP54	
	Impact Protection	IK08	
	Electrical Protection	Over current protection, Residual current protection, Short circuit protection, Ground protection, Surge protection, Over/Under voltage protection, Over/Under frequency protection, Over/Under temperature protection	
	Certification	CE	
	Certification Standard	IEC/EN61851-1-2011	
	Warranty	2 Years	
Environment	Installation	Floor-stand	
	Work Temperature	-30℃~+50℃	
	Work Humidity	5%~95%	
	Work Altitude	<2000m	
Package	Product Dimension	1400*410*240mm (H*W*D)	
	Package Dimension	1500*450*300 (L*W*H)	
	Net Weight	32.5kg	
	Gross Weight	43.5kg	
	External Package	Wood case or cardboard	

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OE Elevate

AC 14KW & 22KW Double Plug Charger

Wifi/3G
Connection

RFID Function
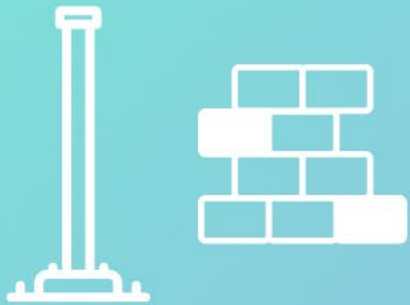
Free standing or
Wall Mounted

Card Payment
Function

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| Model	AC Double Plug Charging Station
Type	KY-AC-14KW & KY-AC-22KW
Dimension (mm)	480 x 350 x 120
User Interface	4.3 Inch Highlight Display
AC Power	380Vac±20% ; 50Hz±10% ; L+N+PE
Rated Current	32A
Output Power	2 x 7kW & 2 x 11kW
Charging Mode	Swipe card, scan code
Networking Mode	Ethernet, 4G, wifi
Operation Mode	Offline no billing, offline billing, online billing
Protection Function	Overvoltage, undervoltage, overcurrent, short circuit, surge, leakage, etc.
Executive Standard	IEC 62196, SAW J1772
Cable Length	3.5m (optional)
Protection Level	IP54, Type B RCCB
Installation	Floor Stand or Wall-mounted Installation

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OE Empower

DC Charger CCS2

Wifi/3G
Connection

RFID Function

Free standing

Card Payment
Function

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Product Name	Integrated DC Charging Station	
Type	KY-DC-120KW	KY-DC-180KW
Dimensions	720 x 557 x 1700 (mm)	
User Interface	7 inch touch screen	
Input Voltage	AC380V±20%	
Rated Current	250-280A	
Output Power	120KW	180KW
Working Conditions	Elevation: ≤2000m; Temperature: -20°C~+50°C;	
Charging Mode	Swipe card, scan code	
Networking Mode	Ethernet, 4G, Wifi	
Input Frequency	45-65Hz	
Protection Function	Overvoltage, undervoltage, overcurrent, short circuit, surge, leakage, etc.	
Executive Standard	IEC 62196, SAE J1772	
Cable Length	5m (optional)	
Protection Level	IP54	

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About Our
Charging App

What Our App Can Do

- The Partner Portal is a Charge Point Management System (CMS) for installers, operators and service providers

- Manage charge point networks of all sizes

- Get the full overview of your customers and your own EV charging business in one platform.

- Manage your customers' charge points completely: Decide who has access, when and at what cost.

- Manage payments between users and charge point owners in real-time.

- Invoice your customers directly from the portal

- Sell products and services directly to end users.

- End users have access to products via the Monta app
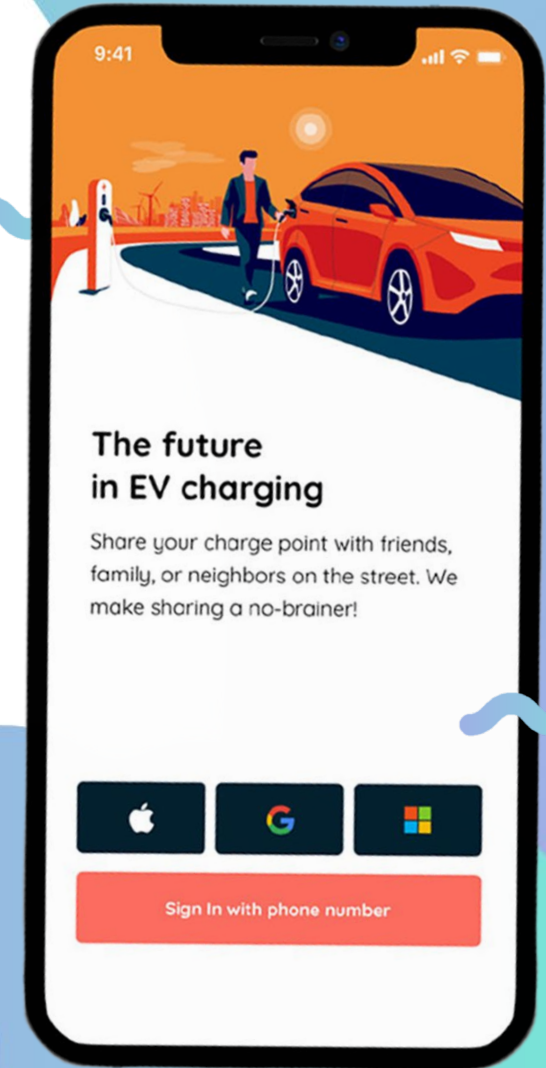
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Features

Company Sponsored Charge Points

When employees charge their car from home or own the go, businesses can automatically manage, track and pay for the electricity.
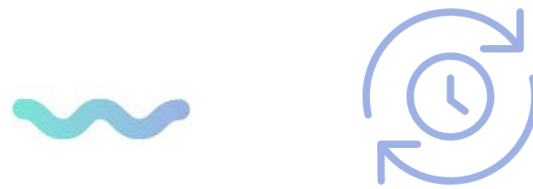
Smart Queue

Smart Queue is an intelligent queueing system for busy charge points. Once a CP is available and it's your turn, you'll receive a push notification on your device.

Load Balancing

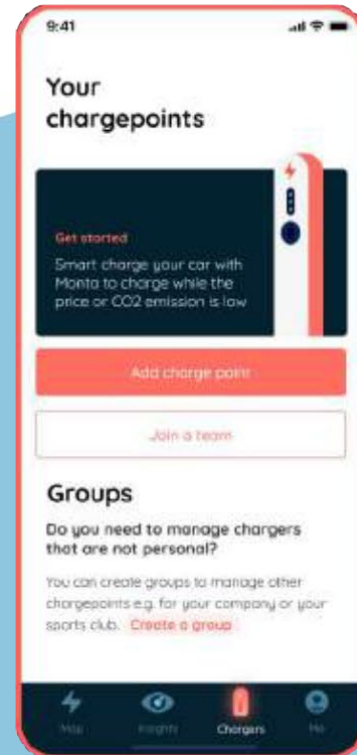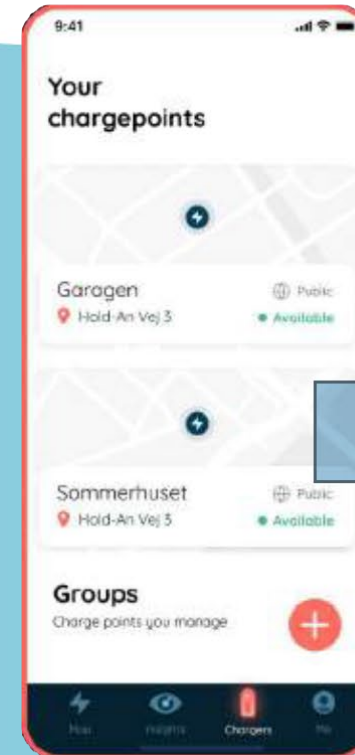One EV Solutions supports static, dynamic and true dynamic load balancing.

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A Few Features Explained

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Insights

See stats on kWh, CO2 emissions, money spend and much more!
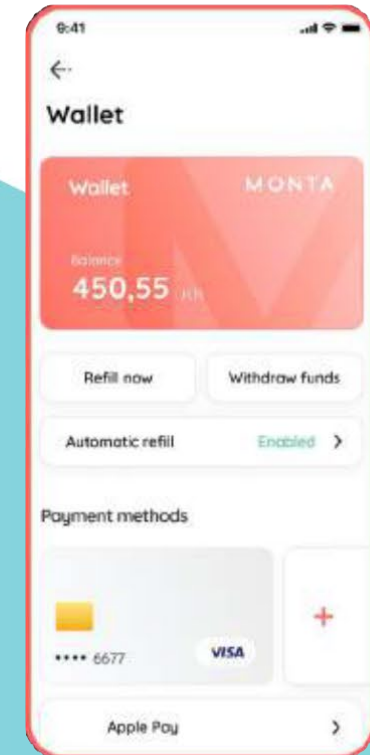
Charge Points

Add your CP(s) and automatically charge your EV with green, renewable or low cost energy.

Teams

Invite friends, family or neighbours to your team and let them use your CP.

Wallet

Track payments, billings and expenses directly with your wallet.
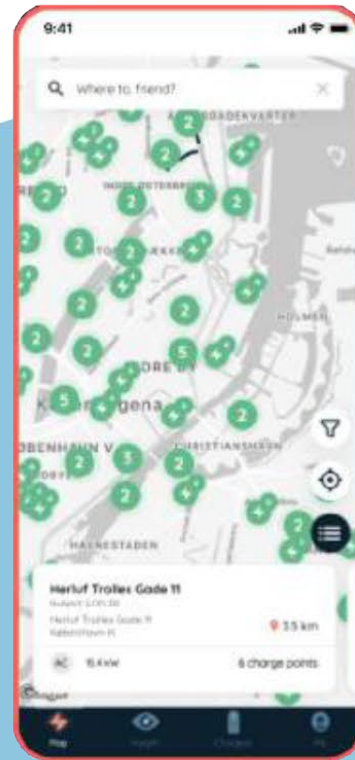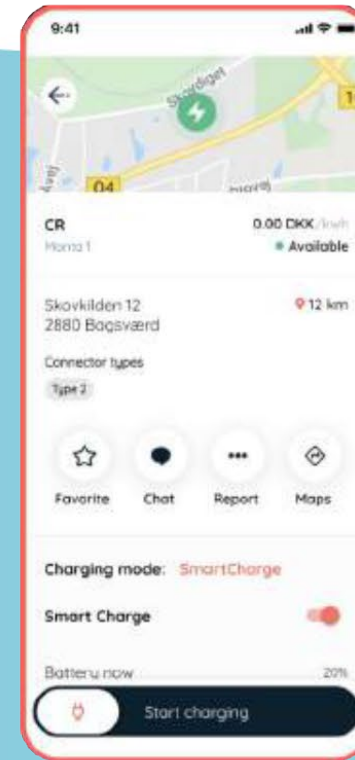
Can Also be Used on the Road

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Log In

Choose Charge Point

Pick Payment

Charging has started

Open the app to get instant access to EV charging on the road.

Pick between 150,000 charge points all over Europe.

Credit/debit card, Google Pay and Apple Pay options all available.

That's it! Start charging without worrying about invoices or charge chips.

Why You Should Partner With Us

Consolidation

One partner portal for installers, operators and small to large businesses to manage, scale and optimise entire EV ecosystem.

User Friendly App & Partner Portal

Fully automated process, smart charging, load balancing, smart queue and roaming network for EV drivers.

Flexibility & Hardware Agnostic

Easily set up your charge points with our charging software.

24/7 App Support

24/7 phone and web support available for our enterprise clients.

Make Your Charge Points Public

Put charge points on roaming network for other EV drivers to find and use to generate extra revenue on your chargers.

One EV Solutions

We offer the complete package with our end to end solution.

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