



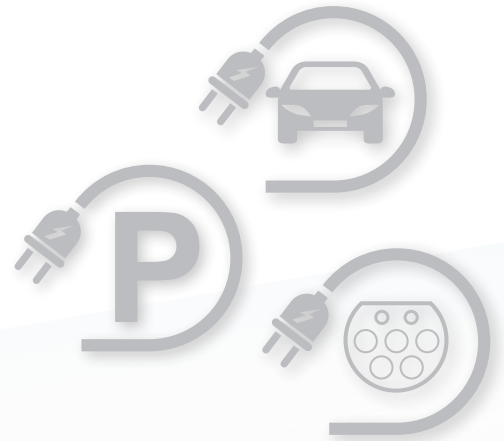
# CURBCHARGER

UNOBTRUSIVE · SPACE-SAVING · FLEXIBLY SCALABLE





# SIMPLY INSPIRING!



## THE RHEINMETALL CURB CHARGER

With its innovative approach, Rheinmetall is unlocking a completely new dimension of electric charging. By intelligently utilizing existing urban infrastructure and delivering high charging performance, a fully-fledged alternative to conventional charging stations is presented.

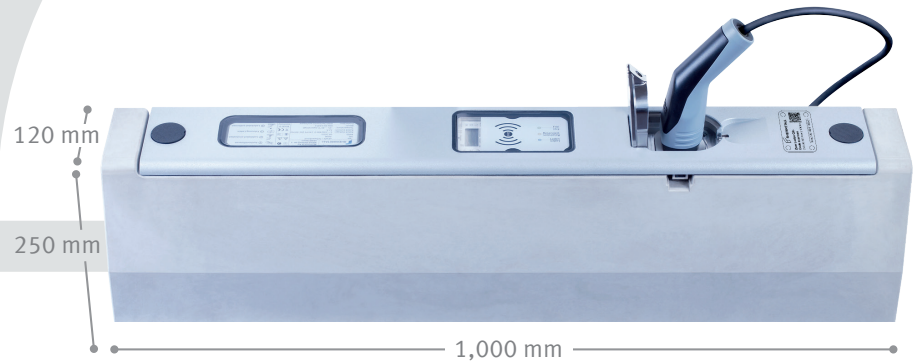
In particular, the curb charger helps solve the problem of limited space in both urban and rural areas and enables a quick, easily expandable, and cost-effective installation of new, publicly accessible charging points.

## HIGHLIGHTS

- Up to 22 kW charging power
- High-quality, robust housing
- Intuitive one-hand operation without curb contact
- Integrated 4G modem
- Intelligent load management
- Authentication via RFID, QR code, or operator app
- Clever cooling and heating concept
- Reliable operation in rain through encapsulated electronics (IP68)
- Easy retrofit and maintenance through replaceable electronic module
- Use cases: street parking, customer and employee parking lots, multi-family homes, P&R parking lots







# HOW DO WE DO IT?

## SERVICE-FRIENDLY HOUSING CONCEPT



The Rheinmetall CurbCharger boasts a service-friendly design, ensuring effortless installation and hassle-free maintenance. With the innovative CurbSwap feature, the built-in electric module can be easily extracted from the curb and replaced with a replacement module. Thanks to a swift quick coupling, the module reconnects to the low-voltage grid in a matter of minutes.

The result? Unparalleled cost savings during construction and electrical installations by utilizing dummy curbs across the area, while minimizing any potential downtime for maintenance at individual charging points.

## SMART CONNECTIVITY



Equipped with standardized interfaces and an integrated 4G modem, our charging curb takes communication to the next level. Seamlessly exchange data between the charger and backend systems using the certified OCCP 1.6 communication standard.

The advantage? Real-time information on charging sessions, customer reservations, and the status of charging points, along with the ability to perform over-the-air software updates. This ensures that the Rheinmetall CurbCharger is always up-to-date with the latest technology advancements.

## INNOVATIVE COOLING AND HEATING CONCEPT



Our intelligent cooling and heating concept ensures optimal performance and protection for the hardware inside the CurbCharger. Designed to prevent overheating during high ambient temperatures, our well-thought-out cooling system provides reliable temperature control. With integrated temperature monitoring, we guarantee the optimal delivery of charging power. Additionally, in freezing conditions, our built-in heating system ensures a dependable and snow- and ice-free operation of the charger.

## ELECTRIC CHARGING: EVEN WHEN IT'S RAINING!



Encapsulated electronic components (IP68) and the charging socket equipped with seals and water drains enable reliable charging even in the rain. If water accumulates on the street and compromises a safe charging process, a water level sensor interrupts the process before the residual current device (RCD) is triggered.

## SAFETY FIRST



In the event of electrical faults, the integrated surge protection as well as the permanent contact adhesive and PE monitoring offer additional safety for people, electrical cars and connected systems.

## TECHNICAL DATA

### General Information

Charging mode	Mode 3 charging according to IEC 61851-1
Charging connector	Type 2, Case B
Authorization	Open charging, RFID, operator app, QR code, SMS

### Mechanical Data

Material	Curb: concrete; Lid: stainless steel; Housing: aluminum
Locking	Moving flap, unlocked upon authorization at the curb or through the app
Dimensions (L x B x T)	1,000 x 250 x 150 mm <sup>3</sup> (other curb sizes possible)
Weight	approximately 80 kg
IP protection rating	IP68 (encapsulated electronic unit)

### Electrical Data

Max. charging power per charging point	AC: up to 22 kW
Nominal voltage, current, frequency	400 V; 32 A; 50 Hz
Protection	6 mA DC fault current detection
Surge protection	Typ 2 + Typ 3

### Connectivity

Communication protocols with IT backends	OCPP 1.6
Communication	Integrated 4G modem, RFID
User Interface	Status information through LED display, operator app
Display	Externally readable, calibrated energy meter (MID-compliant)

## DON'T DELAY – CONTACT US TODAY!

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