URBAN CHARGESTYLE

THE RHEINMETALL CURB CHARGER
SAFE AND CONVENIENT CHARGING

PASSION FOR **TECHNOLOGY.**

RHEINMETALL

SIMPLY TOUCHING!

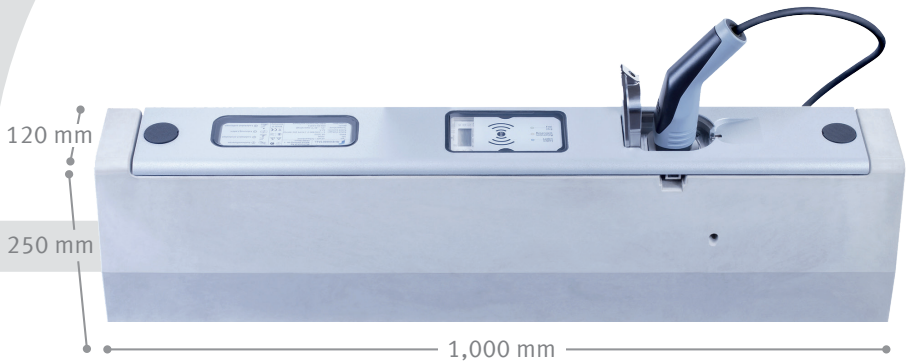
THE RHEINMETALL CURB CHARGER

Rheinmetall enters a completely new dimension of electric charging with its innovative CurbCharger, providing a solution that meets all the requirements for intelligent charging of electric vehicles in urban public areas.

Encased in a sleek and robust stainless steel/aluminum housing, this CurbCharger features state-of-the-art charging technology, offering a discreet, space-saving, and sustainable charging solution that seamlessly integrates into the existing urban infrastructure with ease.

HIGHLIGHTS

- Up to 22 kW charging power
- High-quality, sturdy housing
- Intuitive one-handed operation without curb contact
- Intelligent load control
- Integrated 4G modem, RFID authentication
- Smart cooling and heating concept
- Cost synergies in installation and maintenance with removable electronic module (IP68)
- Use cases: on-street parking, customer and employee parking lots, multi-family houses, 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.

SAFETY FIRST

At Rheinmetall CurbCharger, we prioritize enhanced electrical safety above all else. Our system features an IP68 protection rating, effectively safeguarding against rain and standing water. In the event of electrical disruptions, our integrated surge protection, along with the continuous monitoring of protective bonding and earth connection, provides additional safety for individuals, electric vehicles, and connected systems.

FAULT CURRENT DETECTION

The charging curb comes standard with a built-in DC fault current detection system (6 mA), ensuring safe operation when combined with an affordable residual current device (RCD) Type A.

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 mm³ (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!

Rheinmetall AG
info@rheinmetall.com
www.rheinmetall.com