



invisibly present

SP1 SMART



TECHNICAL SPECIFICATIONS

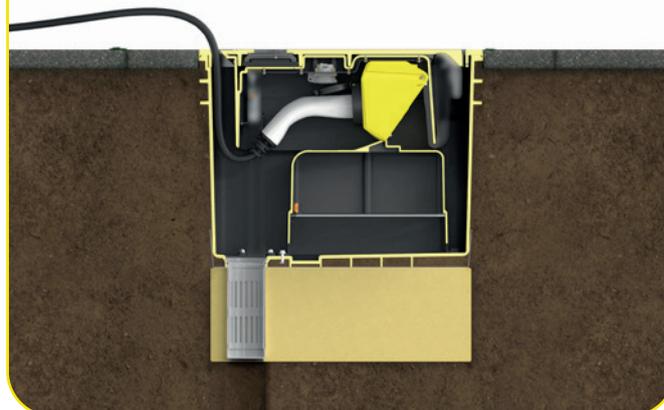
THE UNDERGROUND CHARGING STATION FOR ELECTRIC VEHICLES

The StreetPlug is a flexible charging solution suitable for every location with an eye to keeping the original appearance of the street. An intelligent technology with a smart design. The StreetPlug makes it possible to recharge without worry at home or on the road, with a few important benefits.

PROPERTIES

Payload	The StreetPlug has a payload of 3.7kW, 7.4kW, 11kW and 22kW.
Two-plug system	The two-plug system consisting of a Type 2 (Mennekes) and a Schuko outlet makes multifunctional charging possible.
Water management system	The water sensor detects water at a certain level, stops the charging process and goes into safe mode for as long as water is detected. The StreetPlug can easily be connected to the rainwater drainage for correct drainage. If this is not possible and the circumstances allow it, there is an alternative, the Hydroblock. The Hydroblock under the StreetPlug ensures a rapid drainage and releases the water to the ground. In addition, the diving bell principle ensures that the electrical components (when in a closed state) are in a bubble and thus remain dry.
E-compartment	The E-compartment is interchangeable. This is a maintenance-friendly solution and allows for a simple upgrade of the system.
Locking system	A robust electric semi-automatic locking system ensures safe closure of the StreetPlug.
Cable input	In the StreetPlug there is a wide cable input. This makes it easy to close the StreetPlug to start the charging process.
LED indication	The LED indication on the lid clearly indicates with three colours whether the StreetPlug is available, in use or in malfunction. Listed on the lid is the RFID indication, the ID number and the service phone number.
Personalisation	The lid is made of stainless steel 316. The StreetPlug can be personalised in several ways with a logo or a name on the lid.
Operation	Operation is possible via a charging card, charging tag, remote control (homelink) or the StreetPlug App (mobile app), equipped with an EV Cloud BackOffice with a 24/7 helpdesk support.

SMART DESIGN



COMPONENTS

- Schuko 230V connection
- Mennekes type 2
- Electronic locking system
- E-compartment
- Water sensor
- Coarse and fine dirt filter
- Hydroblock

TECHNICAL SPECIFICATIONS

Socket	1x Type 2 and 1x Schuko 230V
Payload	3.7kW (230V, 16A) / 7.4kW (230V, 32A) 11kW (400V, 16A) / 22kW (400V, 32A)
Load mode	Mode 3
Cable diameter	5x6mm ²
Max. connection voltage	400V
Max. connection flow	32A
Max. connection power	22kW
Grounding	TN system
kWh-meter	MID approved, suitable for invoicing
Ambient temperature	-20°C to +40°C
Status information	Via LED indication on the lid
Communication	GPRS, GSM 3G
Communication Protocol	OCPP 1.6
Authorization / Accessibility	Remote control (homelink), RFID charging card or StreetPlug App (mobile app)
CE certificate	Ja

PHYSICAL SPECIFICATIONS

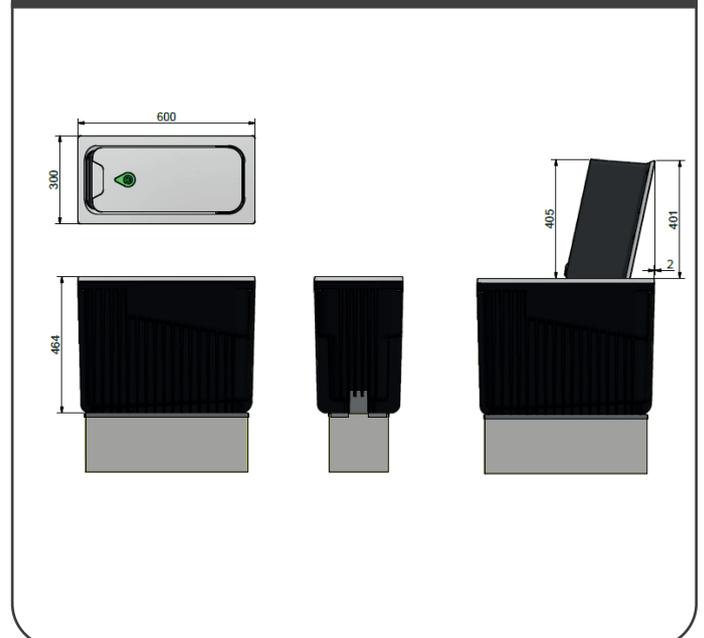
Dimensions	Main size (lxwxh): 600 x 300 x 464 mm (excl. Hydroblock) Hydroblock BD112 (lxwxh): 1200 x 300 x 300 m
Weight	40.70 kg excl. Hydroblock 44.10 kg incl. Hydroblock
Degree of protection	IP65
Housing materials	HDPE plastics parts, stainless steel lid (AISI 316)
Pressure load	12,500 kg max. load, according to NEN-EN 124 Class B125
Automatic	Automatic opening with electric locking system, manual closing (charging process starts when the StreetPlug is closed)
Installation	Subterranean, only lid visible

STANDARDS

When properly installed, the StreetPlug complies with the following requirements and standards:

Standard sheet	Description
NEN-EN-IEC 62196-1:2014	Sockets, socket boxes, vehicle sockets and vehicle socket boxes
NEN-EN-IEC 61851-1_2019	Charging via a conductive connection of electric vehicles
LVD 2015/35/EU	Low voltage directive
EMC richtlijn EMC 2014/30/EU	Electromagnetic compatibility
Deel 1A	Integrated grid connection specifications
NEN1010:2015	Low voltage electrical installations
NEN-EN 124:2015 klasse B 125	Resistant to a load of 12,500 kg
IP65	Density Class
NEN-EN 50102:1995, IK08	Classification of casings

DIMENSIONS



The underground charging station for electric vehicles

