

# Fast charging with DC fast-charging systems Power outputs from 150 to 500 amperes

E-mobility



**BRUGG**  
eConnect

## New development DC fast-charging systems

With fast charging, our charging systems step up to a whole new performance range. Voltages up to 1000 volts and peak currents up to 500 amperes permit a charging power of maximum 500 kilowatts. As a qualified system supplier, we offer charging cables and plugs along with corresponding services, from development and testing options to customized delivery – with everything of the highest quality and with optimal value for money.

### Product portfolio

Designation	Amperes	Diameter	Weight
PURWIL Connect 150	150	28.2 mm	1.52 kg/m
PURWIL Connect 250	up to 250	32.3 mm	2.14 kg/m
PURWIL Connect 500	up to 500	35.3 mm	3.10 kg/m

### Technical data PURWIL-DC

- Mode 4: CCS HPC Typ 2 for Europe
- Max. rated voltage: 1000 VDC
- Max. rated current: 500 A (peaks)
- Certified auf VDE-EN 50620
- Operating temperature: –40°C to +55°C

## Charging cable properties



### Rollover-resistant

- Wear-resistant
- Excellent oil and petrol resistance



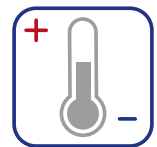
### Rugged

- Flame-retardant according to IEC 60332-1
- Resistant to hydrolysis, ozone and weathering
- Resistant to UV radiation
- Halogen-free



### Flexible

- Min. bending radius 9xD



### Heat / cold

- Temperature range: –40°C to +90°C (In case of a short circuit +160°C for 5s.)
- Resistant to temperature cycling

## Benefits DC fast-charging systems



### Charged in just a few minutes

Charging currents up to 500 A with a nominated voltage up to 1000 VDC.



### Light-weight and flexible

User-friendly handling, thanks to the extreme flexibility of the cable and the ergonomic shape of the handle.



### Customer-specific assembly

Charging cable of any length can be flexibly selected and delivered ready to install.



### Maintenance-friendly charging system

The frame of the plug face and the DC contacts are easy to replace within 10 minutes.



### Non-cooling charging system

No cooling is required with the PURWIL-DC charging system.

