E-Mobility

PURWIL
CCS1

Cooled Solutions

High-power charging with DC fast-charging system CCS 1 Power output up to 800 amperes

BRUGG
eConnect

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PURWIL HPC 800
Cooled fast-charging system

With high-power charging, our charging systems step up to a whole new performance range. Voltages up to 1000 V and currents up to 800 A permit maximum charging power. The cooled charging cable delivers the same power that could be supplied by the total socket power of 230 domestic sockets. With a power output of up to 800 A, the cooled DC fast-charging system is part of one of the most efficient charging systems on the market.

Benefits: DC fast-charging system

Charging in a few minutes
Charging currents up to 800 A at a nominal voltage of 1000 V DC.

Highly flexible and functional charging cable
Integrated cooling permits a small cable cross-section and a lightweight design with maximum flexibility

Customized assembly
Charging cable available in any length and ready for installation.

Maintenance-friendly charging system
The connector front face, contacts, the locking bracket and knob are easy to replace.

Sustainablity
Eco-friendly water-based coolant.

Technical data – DC

- Mode 4: CCS HPC Type 1
- Max. nominal voltage: 1000 V DC
- Max. nominal current: 800 A*
- Cable UL certified E530622, for US
- Connector based on IEC 62196-3, SAE J1772 and UL 2251_2022/12/15
- Operating temperature: -35°C to +45°C

Charging cable properties

Eco-friendly
- Biodegradable and eco-friendly coolant

Rollover-resistant
- Wear-resistant
- Excellent oil and petrol resistance

Heat/cold
- Temperature range: -35°C to +45°C (In case of a short circuit +160 °C for 5 s)
- Resistant to temperature cycling

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

Flexible
- Min. bending radius 10 x

Portfolio of Products

Description	Ampere	Diameter	Weight
PURWIL HPC 800	up to 800 A*	38.3 mm	1.77 kg/m

*Nominal current dependent on cooling capacity and operating conditions

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