








High-power charging with  
DC fast-charging system CCS 2  
Power output up to 850 amperes

## PURWIL HPC 850 Cooled fast-charging system

With high-power charging, our charging systems step up to a whole new performance range. Voltages up to 1000V and currents up to 850A 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 850A, the cooled DC fast-charging system is part of one of the most efficient charging systems on the market.


### Benefits: DC fast-charging system

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**Charging in a few minutes**  
 Charging currents up to 850A at a nominal voltage of 1000V DC.
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**Highly flexible and functional charging cable**  
 Integrated cooling permits a small cable cross-section and a lightweight design with maximum flexibility
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**Customized assembly**  
 Charging cable available in any length and ready for installation.
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**Maintenance-friendly charging system**  
 The connector front face and contacts are easy to replace.
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**Sustainability**  
 Eco-friendly water-based coolant.

### Technical data – DC


- Mode 4: CCS HPC Type 2 Compact
- Max. nominal voltage: 1000V DC
- Max. nominal current: 850A\*
- Cable based on IEC 62893-4-1
- Connector based on IEC 62196-3
- 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 5s)
- 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 10x

Portfolio of Products			
Description	Ampere	Diameter	Weight
PURWIL HPC 850	up to 850 A*	38.0 mm	1.76 kg/m

\*Nominal current dependent on cooling capacity and operating conditions