

RADOX® High Power Charging solutions

Edition 2024/06



The rising number of DC fast-charging stations along highways and in cities has further stimulated the transition towards electric vehicles. However, the high power charging market keeps looking for innovative solutions that can further shorten the charging time while still delivering stable performance.

HUBER+SUHNER – the leader in HPC market

Innovative solution

As the front runner in the high power charging (HPC) market, HUBER+SUHNER continues to develop innovative cable solutions to meet increasingly demanding market requirements. The RADOX® HPC500 delivers the highest performance thanks to the most effective direct-cooling of the contacts and the power lines without any safety risks. The RADOX cooled cable technology enables the HPC500 systems to provide continuous charging currents up to 1000A with CCS1 and CCS2 interfaces. The system consists of cooled cables and a tailored cooling unit ensuring a stable performance even at 50°C ambient temperature. The SPC controlled 24V cooling unit can be used as a stand-alone solution in the cabinet or with an external cooling loop for the heat exchanger. Furthermore, with the integrated readiness for direct DC-metering, the RADOX HPC systems are a future-proof solution for infrastructure manufacturers and charging station operators.

The innovative system architecture including the plug-and-play cooling unit, pre-filled with environmentally-friendly and non-conductive coolant, leads to reduced installation and service time while providing the lowest cost of operation.

Extensive field experience

HUBER+SUHNER has the largest number of installed cooled HPC systems in the world. The company's vast and in-depth expertise led to the development of the RADOX HPC500, delivering innovative benefits such as IP67 protection and the lightest connector in the market.

All this combined ensures the easiest and most user-friendly charging experience.

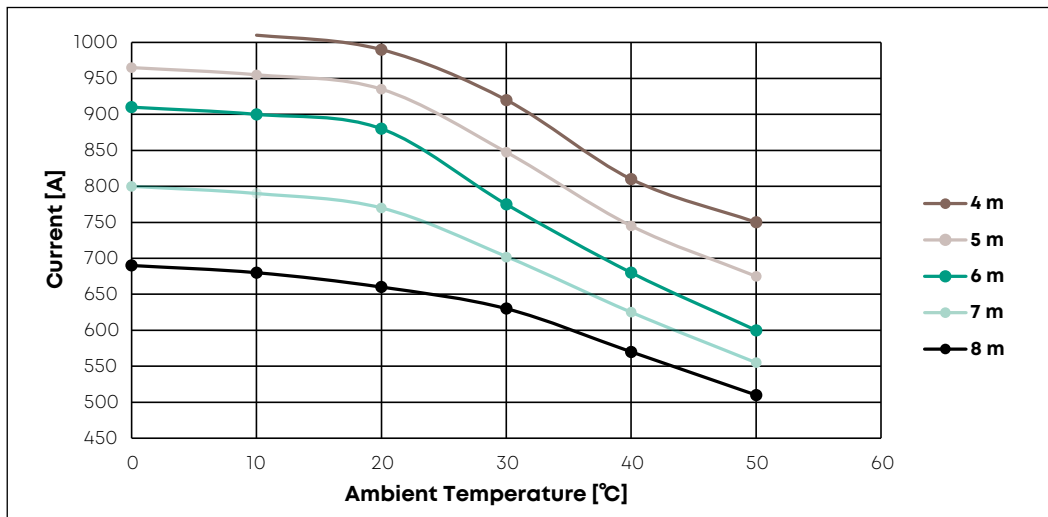


RADOX® HPC system

The RADOX HPC portfolio, certified according to UL- and IEC-standards, includes the RADOX HPC500, the RADOX HPC500 Dual-Charging and the RADOX HPC200. This portfolio is designed for charging stations with an output of 50 kW up to 1000 kW, offering a complete charging cable system which includes a cooled cable (with cooling system) or non-cooled cable, and connector. The superior performance and integrated safety features make the RADOX HPC system the best solution for the today's and tomorrow's charging infrastructure.

Among various high power charging solutions, the system that can provide continuous charging at 500 A and above plays an essential role in enabling the drivers to recharge their cars within minutes. The most noteworthy feature of the RADOX HPC500 and HPC500 Dual-Charging systems is continuous charging of 500+ A, even in warmer environments with 50°C ambient temperatures.

RADOX HPC500 – undoubtedly the most powerful cooled cable system on the market



HUBER+SUHNER
Tumbelenstrasse 20
8330 Pfäffikon ZH
Switzerland
Phone +41 44 952 22 11
hubersuhner.com

4536/4743/05.2022

HUBER+SUHNER is certified to ISO 9001, ISO 14001, ISO 45001, EN/AS 9100, IATF 16949 and ISO/TS 22163-IRIS.

Waiver

Fact and figures herein are for information only and do not represent any warranty of any kind.