![Power Innovation Stromversorgungstechnik GmbH logo]

Charging pole eSingle

The charging pole eSingle offers the option to distribute charging points with maximum flexibility in terms of space.

Thus, you can position charging points for e-vehicles with different space requirements (such as trucks, cars or transporters) in an optimal way.

- Charging standard CCS with max. 200 A charging current (optionally 500 A, charging cable cooled)
- 10" touchscreen for easier handling
- 200 V up to 950 V DC charging voltage
- Communication with the backend via OCPP
- Payment function via credit card as an option
- Stainless steel housing, powder-coated
- Customized design on request

Charging pole eSingle   data sheet

The charging pole is connected to a power container and requires the connection possibility of one charging point. The charging pole is the link for the connection of the vehicle to be loaded. The charging pole fulfills the following functions:

■ Communication with the vehicle and monitoring of the charging process
■ Measuring of the energy volume charged (optionally compliant with calibration law) and transmission of account data to the backend
■ Communication with the end customer via 10" touch display

The components mounted into the charging pole are located in a stable stainless steel housing on a massive concrete base which is vandalism resistant and weatherproof.

Electrical data

Nominal voltage	400 / 800 Vdc
Range	200 – 950 V
Nominal current	200 A / 500 A
Charging power	190 kW / 475 kW
EMC	EN 61000-6-2
	EN 61851-21-2
Electrical safety	EN 62477-1
Electrical connections	
Input	- auxiliary voltage
	- 1 x power
Output	3 m charging cable

Environmental conditions

Ambient temp. during normal operation	-25°C to 45°C
Relative humidity	5% – 95%
Operation altitude	up to 2000 m
Protection class	IP 44
Base	stainless steel on prefabricated concrete foundation
Dimensions	
Width	582 mm
Depth	372 mm
Height	1864 mm
Colour	
Column	RAL 9016 structure
Roof / door	RAL 7001 smooth

Communication

Charging controller IEC 61851-23 and DIN 70121, ISO 15118

Ethernet, RFID MIFARE, DC energy counter compliant with calibration law (accessory), OCPP