

VENCHARGE 180 DC Fast Charger



The **VENCHARGE 180 DC Fast Charger** was specially designed for applications that require high protection and reliability for EV charging with CCS according to global standards. Thanks to its highly integrated design and the IP55 protection standard, the **VENCHARGE 180 DC Fast Charger** is suitable for applications in harsh environments. It can provide maximum power up to 180 kW and maximum current of 300 A at voltages from 150 V to 1000 V.

- ▼ Supports CCS
- ▼ Degree of protection IP55
- ▼ Supports OCCP 1.6 J
- ▼ Power can be transferred between both DC ports and be used simultaneously
- ▼ Maximum output power of up to 180 kW and a maximum current of up to 300 A at voltages from 150 V to 1000 V
- ▼ Safety function through output contactor, fuse, SPD, RCD, insulation detector protection
- ▼ User-friendly interface through 7" TFT tempered glass LCD touch screen
- ▼ Various charging modes: auto basis, time basis, amount basis, energy basis, SOC basis
- ▼ Internal high DC energy meter
- ▼ LAN, RFID authorization
- ▼ Ideal for non-public charging



TECHNICAL DATA

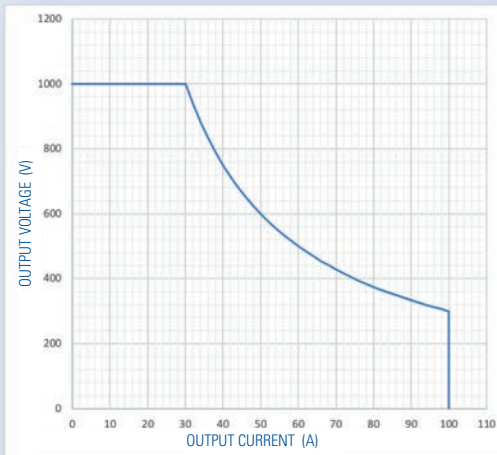
INPUT PARAMETERS

The VENCHARGE platform is specifically designed for direct connection to the VENCON system

OUTPUT PARAMETERS

DC voltage accuracy	$\pm 0,5\%$
Output DC voltage range	150 V – 1000 V
Max. DC output current	The maximum output current per charging cable is 250 A CCS-2
Max. DC output power	180 kW
Max. system efficiency	> 95,0 % (Rated input and output)

OUTPUT VOLTAGE VS OUTPUT CURRENT



MECHANICAL DATA

Dimensions (W x H x D)	700 x 1750 x 750 mm
Weight	256 kg

CHARGING PROTECTION

- Overcurrent protection, short circuit protection, overvoltage protection, undervoltage protection
- Insulation monitoring, protective conductor connection monitoring
- Reverse polarity protection, overtemperature protection

CONFIGURATION OPTIONS

Charger module configuration	6 power module slots, 1000 V / 30 kW
Charging connector configuration	2 CCS / 2
Charging connector capacity	250 A/1000 V for CCS

FUNCTION AND INTERFACE

HMI	7" TFT tempered glass LCD touch screen, RFID, Power(G)/Alarm(R)/charging LED-Panel
Metering	DC energy meter
Monitor interface	OCPP 1.6 J, support of LAN 10M/100M
Charging mode	auto, time, amount, energy, SOC

ENVIRONMENTAL CONDITIONS

Ambient temperature	- 20 to + 70 °C, full power output to + 45 °C, above 45 °C power derating ca. 5 %/°C
Storage temperature	- 40 to + 75 °C
Working humidity	0 – 95 %
Working altitude	< 2000 m

STANDARDS

CCS PLC Communication	gem. DIN SPEC 70121 and DIN EN ISO 15118
EMV/Safety	UL2202, EN61000-6-3/EN61000-6-1 Class A; EN 61851-1-2001/EN 61851-21-2001/EN 61851-22-2001
Protection class	IP 55 / K10