

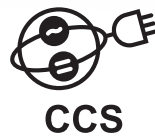


Ultra Fast Charge Station

Overview

- Output up to 920 V, N x 175 A
- Charge any compatible vehicle with CCS protocol
- Color screen
- Network integration (OCPP or proprietary protocol)
- Built-in communications (3G; LAN; Wi-Fi)

 HV175



Focused on bringing new and innovative solutions to the EV charging market characterized by a growing trend for fast high-power chargers, Efacec developed a new and innovative solution that fits all features of this emerging market. The **HV175** is a High Power Ultra fast charging solution, able to supply up to 920 V and 350 A by connecting two **HV175** units to an interconnection Kiosk with adequate cable and connector. Connecting more **HV175** units to a mechanical connection allows higher currents as can be used by some heavy vehicles.

Using Efacec's more than 30 years of experience in power electronics technology, the **HV175** is the most powerful charging system, safe, robust, durable, stable and environmentally friendly.

Main Features

- Customizable Solution
- Cost-effective
- Fits all CCS vehicles
- Mode-4 charging
- Three phase
- Easy and safe to use
- Indoor/Outdoor (IP54)

Applications

- Ultra Fast Charging Spots

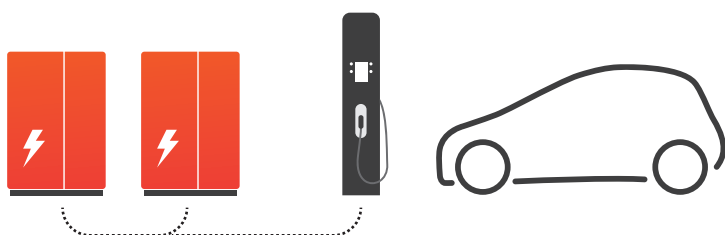
Technical Information

Technical data	
Nominal Input	
Phases / lines	3 phases + neutral + PE
Voltage	400 Vac \pm 10 %
Frequency	50 Hz
Nominal input current & power	248 A @ 172 kVA
Efficiency	> 95 % @ full power
DC Output	
Voltage	50 Vdc to 920 Vdc
Current	0 to 175 A
Nominal Power (@920V)	163 kW
General Specifications	
Communication with EV	IEC61851-23 PLC (CCS / Combo-2)
DC Plug	Combo T2 (CCS / Combo-2)
Human machine Interface (by default)	
Display	6.4" TFT Color screen
RFID system (optional)	Mifare (Classic, DesFire EV1) or others upon request
Communication	3G (GSM or CDMA) LAN Wi-Fi
Communication Protocols	OCPP1.5. Others under request
Place of installation	Indoor/Outdoor
Altitude	Up to 1000 m
Protection degree	IP54 IK10
Operating temperature/optional cold option	-25 to +50 °C / -35 °C to +50 °C
Storage temperature	-40 to +60 °C
Humidity	5% to 95%
Sound noise	<55 dB in all directions
Dimensions (W x D x H)	1000 x 800 x 1800 mm
Weight	1100kg

Output Configurations

Scenario 1

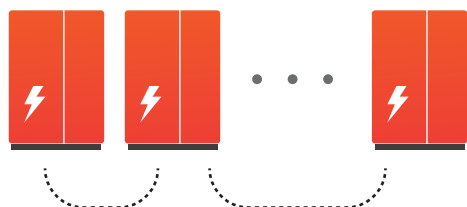
175 A + 175 A



Two HV175 units, with a total output current of 350 A, connected to an user interface kiosk equipped with a 350 A charging cable.

Scenario 2

N x 175 A



Two or more HV175 units connected to a mechanical connection device.



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