CHARGEUP

Hypercharger 75–300

Fast charging station for electric vehicles

Application

Suitable for installation at motorway service stations and petrol stations where vehicles with large batteries require high charging power to minimise charging time in order to continue driving in less than half an hour.

Concept design

The Hypercharger station was developed to solve the main problems identified by owners of fast charging stations (lowest possible charging time) and is based on the latest modular charging technology. Another important feature is an attractive design. The slim and robust design allows the station to blend harmoniously into any environment, be it a service area or an industrial site.

Product highlights

For the Operator/Owner

- The **standardised modular technology** enables a very high uptime - and thus a reduction of costs incurred in the event of a station failure. If a power module fails, the station can continue to be used by other modules.
- The **lower energy consumption** is made possible by the long-term sustained high power level that results from the power modules being switched off when the electric vehicle requires less energy for charging.
- The standardised modular architecture allows scalability of the charging current (from 75 kW to 300 kW), providing a flexible way to meet current and future EV battery requirements.
- The **charging station's lockable door** allows easy access to the inside of the station, which greatly simplifies installation, repairs and maintenance. Wall installation is also possible, making optimal use of the available space.

For the User

- The **optional 15-inch touchscreen**, which is also easy to read in daylight, provides, among other things, clear charging instructions and the charging status (e.g. booked charging station) in various, selectable languages.
- Accessibility in **accordance with international standards** ensures full usability of the charging station even for physically impaired people.

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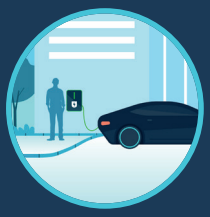
General specifications	
AC power supply	3P + N + PE
AC voltage	400 V (±10%)
Power Factor	>0,99
Efficiency	94 % at nominal output power
Frequency	50 / 60 Hz
Input protection circuit	Disconnection of the main switch
Overcurrent protection	4P Transient circuit protector (Class I)
Wireless communication	4G/LTE-Modem, Ethernet
Compliance	CE / Combo-2 (DIN 70121; ISO15118) EN61851-1; EN61851-23 CHAdeMO-compatible
Enclosure rating	IP54 / IK10
Operating temperature	-30 °C to +55 °C
Ambient temperature storage	-40 °C to +60 °C
Operating humidity	10 % to 90 % non-condensing
RFID system	ISO / IEX 14443 A / B, ISO / IEC 15693
Display HMI	15” anti-vandal colour touchscreen
Output power limit	By software
DC cable length CCS	3 metres
DC cable length CHAdeMO	3 metres
Cable length AC	3 metres
Lights for status indi-cation	RGB colour indicator
Protocol	OCCP 1.5 / 1.6 J
Dimensions (D × W × H)	350 × 940 × 1800 mm
Weight	235 to 400 kg
Cooling system	Cooling air fan
Operational noise level	to 65 dBA
AC output power (optional)	Socket Type 2, Power 22 kW or Cable Type 2, Cable length 3,5 or 5 metres

Available DC charging cables	
CCS Combo 2 200A	Cable length 3,5 metres or 5 metres
CCS Combo 2 400A HPC	Cable length 3,5 metres or 5 metres
CCS Combo 2 500A HPC	Cooling cable, length 3,5 metres or 5 metres
CHAdeMO 125 A	Cable length 3,5 metres or 5 metres
CHAdeMO 200 A	Cable length 3,5 metres or 5 metres



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Model specifications

Models	HYC 150-1	HYC 150-2	HYC 300-1
Maximum AC input current	192 A	233 A	117 A
Required power supply capacity	80 kW	160 kW	80 kW
Maximum output power	DC: 75 kW	DC: 150 kW	DC: 75 kW
Output voltage range	DC: 150 - 1000 V	DC: 150 - 1000 V	DC: 150 - 1000 V
Maximum output current	DC: 250 A	DC: 500 A with cooled cable	DC:CCS 250 A
Number of modules/max. number of modules	1/2	2/2	1/4

Models	HYC 300-2	HYC 300-3	HYC 300-4
Maximum AC input current	233 A	352 A	466 A
Required power supply capacity	160 kW	240 kW	320 kW
Maximum output power	DC: 150 kW	DC: 225 kW	DC: 300 kW
Output voltage range	DC: 150 - 1000 V	DC: 150 - 1000 V	DC: 150 - 1000 V
Maximum output current	DC: 500 A with cooled cable	DC: 500 A with cooled cable	DC: 500 A with cooled cable
Number of modules/max. number of modules	2/4	3/4	4/4

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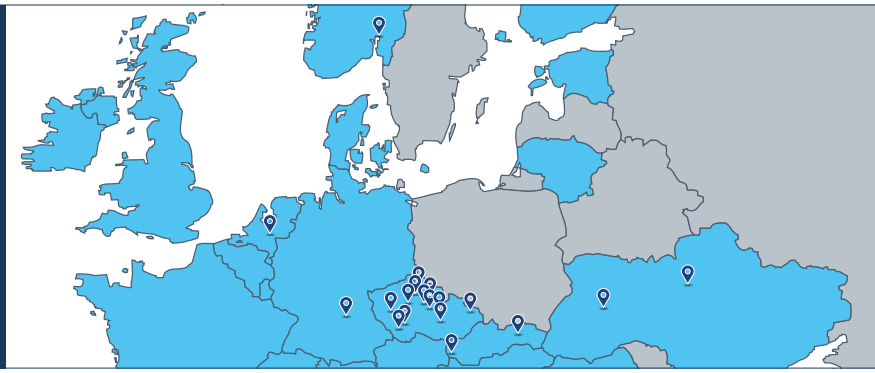
ChargeUp in numbers

1000+ Charging points

100 000+ Charging transactions

500 000+ kWh Sold



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