AFC-LH-EU-200
Technical Data Sheet
HW 1.0 v1.21
(indices: D, DA, DB, DC, E, EA, EB, F, G, H)



Flexible fast-charging system (Flexpole)

1 Technical data

Technical Specifications	
Certification[1]	CE
Protection	IP 54 system IP 67 battery
Mechanical protection	IK 10, HMI Display IK 08
Dimensions (H × W × D)	2260 mm x 1340 mm x 1100 mm
Weight	2650 kg
Operating temperature	-25°C to 50°C
Operating temperature without DC output power derating	-25°C to 35°C
Humidity	5% to 90%
Network connections[1]	GSM/3G/LTE
Noise emission (at a 5 mdistance)	≤ 60 dB

Output – DC Charging Station 1	
DC output power[2]	Max. 150 kW (DPD[3])
DC output current[4]	Max. 350 A at 430V Max. 188 A at 800V
DC output voltage	200 – 920 V DC
DC output interface	CCS type 2 combo
DC metering conforms to MessEG	Yes (German version)
DC metering conforms to MID	Yes (EU – non-German versions)
Vehicle PLC communication	ISO 15118[5], DIN 70121
EMC emission[1]	IEC 61000-6-2, EN 55011

Output – DC Charging Station 2

DC output power[2]	Max. 150 kW (DPD[3])
DC output current[4]	Max. 350 A at 430V Max. 188 A at 800V
DC output voltage	200 – 920 V DC
DC output interface	CCS type 2 combo
DC metering conforms to MessEG	Yes (German version)
DC metering conforms to MID	Yes (EU – non-German versions)
Vehicle PLC communication	ISO 15118[5], DIN 70121
EMC emission[1]	IEC 61000-6-2, EN 55011

Input

Grid connection	400 V, 50 Hz TN-C-S; 3 P + N + PE 16/32/63 A 2 low-voltage safety lines (impact)
Electrical protection	Overvoltage category IV (DIN 60664-1)
RCD protection	Yes
Remote-controlled emergency stop function (optional)	Yes (conforms to APEA – Electric Vehicle Charging Installations at Filling Stations)
Power factor	> 0,95
Efficiency	Max. 91% at nominal power

Battery

Internal battery rated capacity	193.5kWh
Maximum usable capacity[6]	160 kWh
$SoC_{min.}/SoC_{max.}$	5%/95%
Max. recharge power[2]	2 × 20 kW to battery 1 × 40 kW (DPD[3]) to vehicle

User Interface

HMI	10” touch screen 43” advertising screen Status LEDs Charge Stop button
Authorization/payment	RFID Mifare® (IEC 14443 A/B) Conforms with PCI-PTS 3.x, PCI-PTS 5.x NFC/credit card (IEC 18092) Supported payment provider: PayOne

Operator Interface

OCPP	OCPP 1.6-J Improved security for OCPP 1.6-J, edition 2

[1] See CE declaration of conformity document
[2] When connected to the grid with 400 V/63 A max. system output power of 250 kW
[3] Dynamic power distribution
[4] With temperature-controlled high-power CCS cable (400 A)
[5] PnC not available
[6] See warranty agreement

2 Dimensions

Illustration: Front view

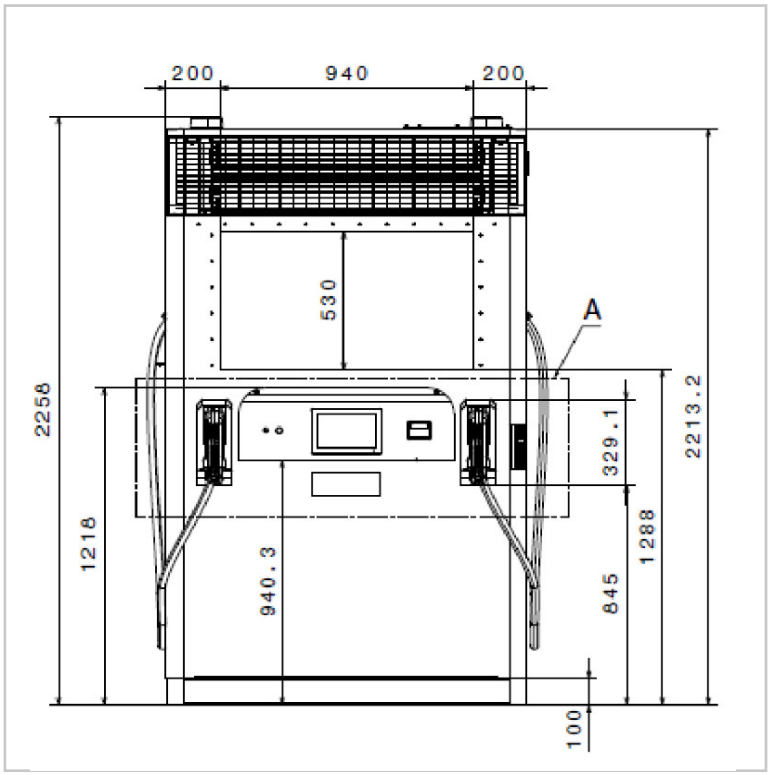


Illustration: Rear view

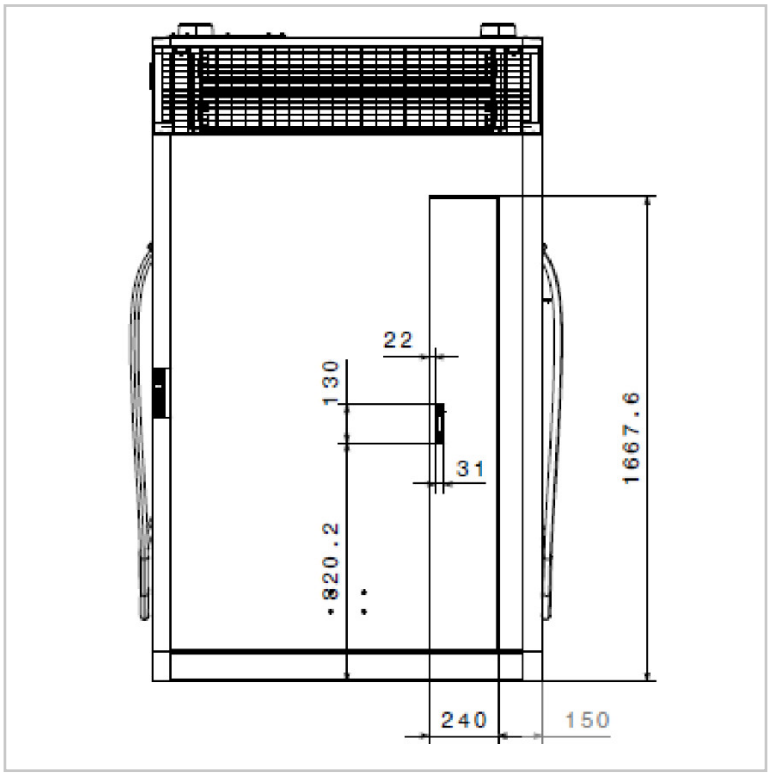


Illustration: Side view, left

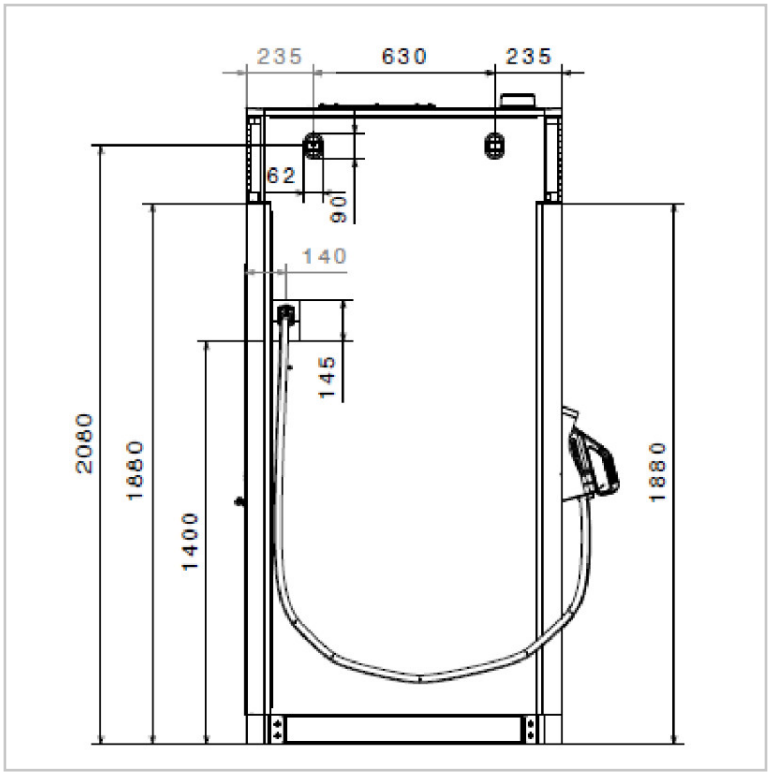


Illustration: Side view, right

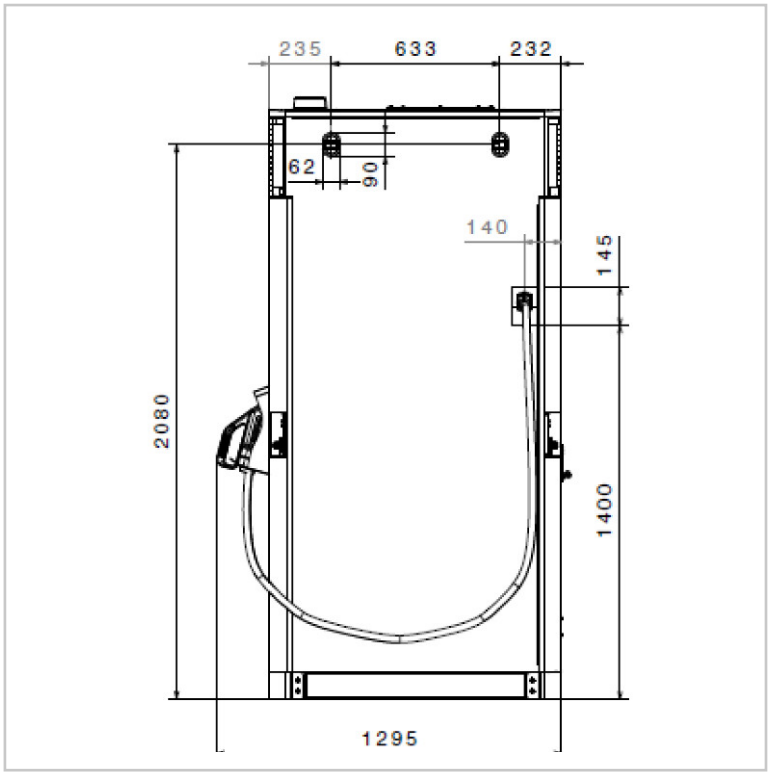


Illustration: Top view

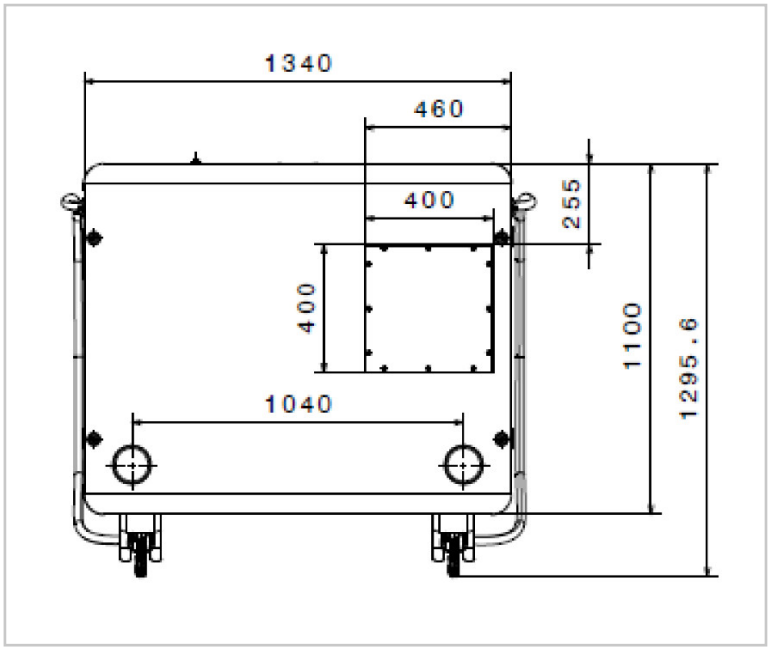


Illustration: Floor view

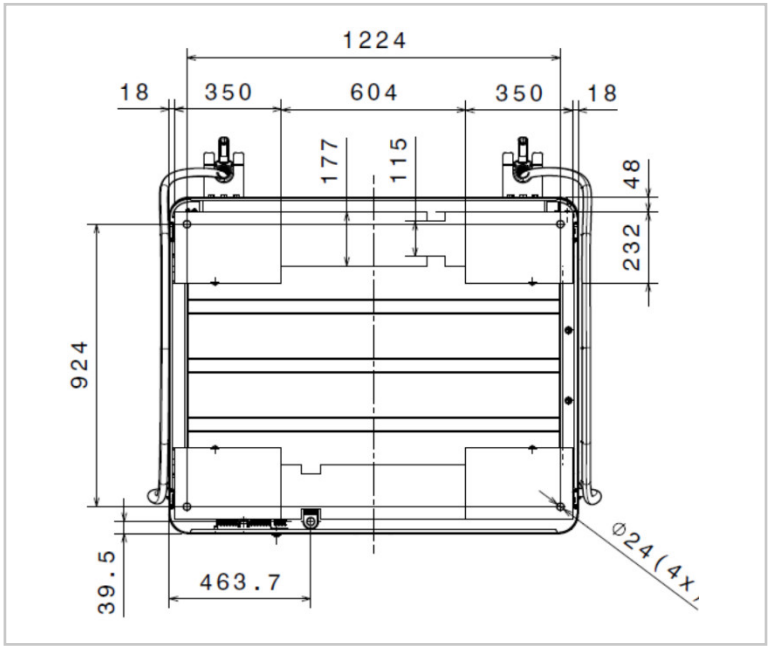


Illustration: Detailed front view

