

Flexible Fast Charging System (Flexpole)



Technical Specifications	
Certification¹	CE (CE)
Protection	IP 54 System IP 67 Battery
Mechanical Protection	IK 08
Max system DC output power²	250kW
Dimension (H x W x D)	2260mm x 1340mm x 1100mm
Weight	2650 kg
Operating Temperature	-20°C to 50°C
Operating Temperature without DC Output	-20°C to 35°C
Power Derating	
Humidity	5% to 90%
Network Connections	GSM/3G/LTE (CE)
EMC emission¹	IEC 61000-6-2, IEC 61000-6-4, EN 61851-21-2:2018 (CE)
Noise emission (at 5m distance)	≤ 60 dB
Output DC charging point #1	
DC output power²	Max. 150 kW (DPD)
DC output current³	Max. 350 A @430V Max. 188 A @800V
DC output voltage	200 – 920VDC
DC output interface	CCS Type 2 Combo
DC Metering conform to MessEG	Yes (only German variant)

DC Metering conform to MID	Yes (EU - non German variants)
Vehicle PLC communication	ISO 15118, DIN 70121
Output DC charging point #2	
DC output power ²	Max. 150 kW (DPD)
DC output current ⁴	Max. 350 A @430V Max. 188 A @800V
DC output voltage	200 – 920VDC
DC output interface	CCS Type 2 Combo
DC Metering conform to MessEG	Yes (only German variant)
DC Metering conform to MID	Yes (EU - non German variants)
Vehicle PLC communication	ISO 15118, DIN 70121
Input	
Grid connection	400 V, 50 Hz TN-C-S; 3P + N + PE 16 / 32 / 63A 2 low voltage safety lines (Impact)
Electrical protection	Overvoltage category IV (DIN 60664-1)
RCD protection	Yes
Power factor	> 0.95
Efficiency	> 75% (varies through mission profile and temperature range) > 80% @ 20°C ambient temperature
Battery	
Internal battery rated capacity	193.5kWh (net capacity in validation)
Maximum usable capacity ⁵	Currently: 140 kWh Expected from SW 4.9.0 on: 160 kWh (needs to be validated)
Max. recharge power ²	2x20kW to battery 1x40kW (DPD) to vehicle
User Interface	
HMI	10" Touch Screen 43" Advertising Screen Status LEDs Charge Stop button
Authorization / Payment	RFID Mifare (IEC 14443 A/B) Compliant to PCI-PTS 3.x, PCI-PTS 5.x NFC / Credit Card (IEC 18092) Supported payment acquirers: PayOne
Operator Interface	
OCPP	OCPP 1.6-J Improved security for OCPP 1.6-J, edition 2

Dimensions:

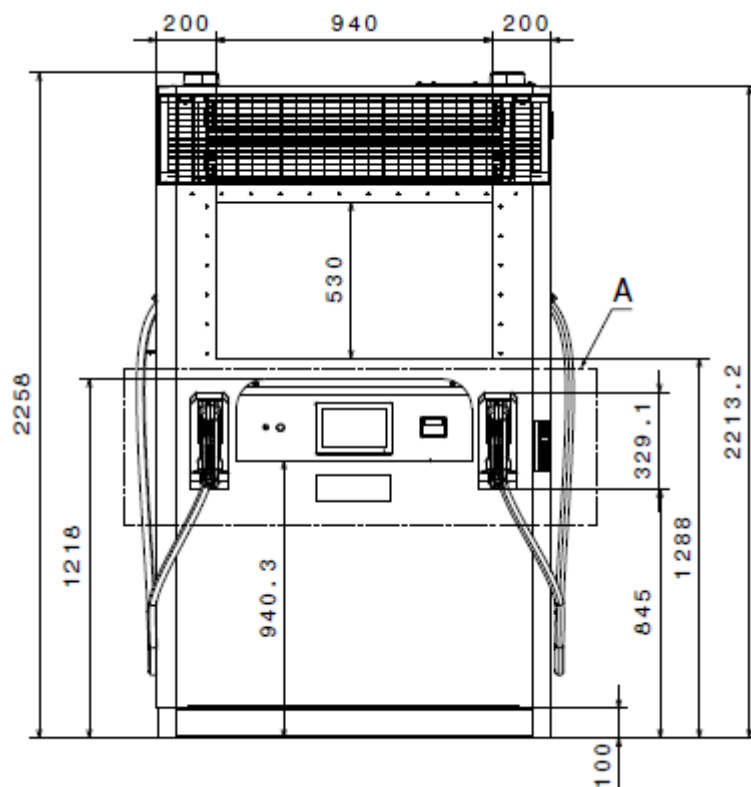


Figure: front view

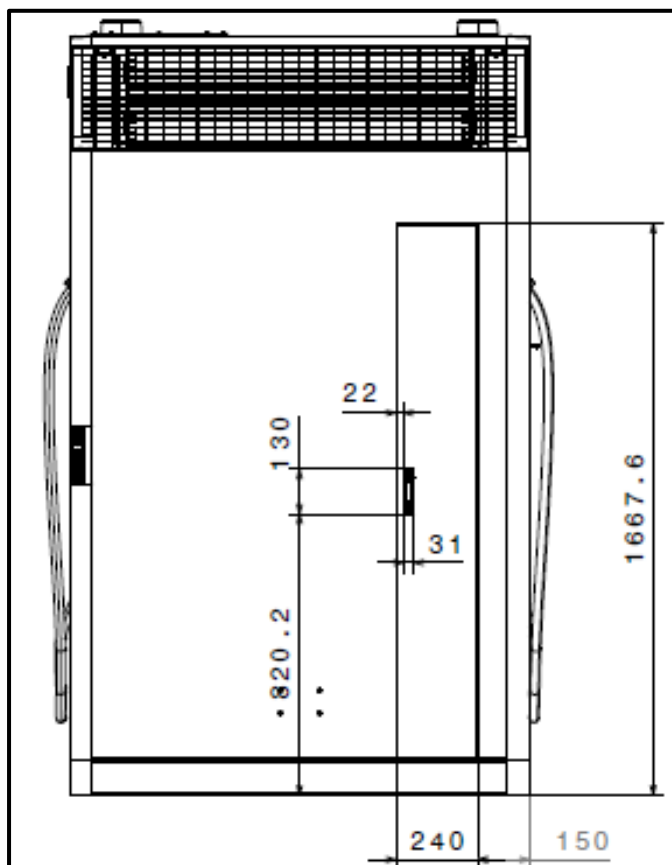


Figure: rear view

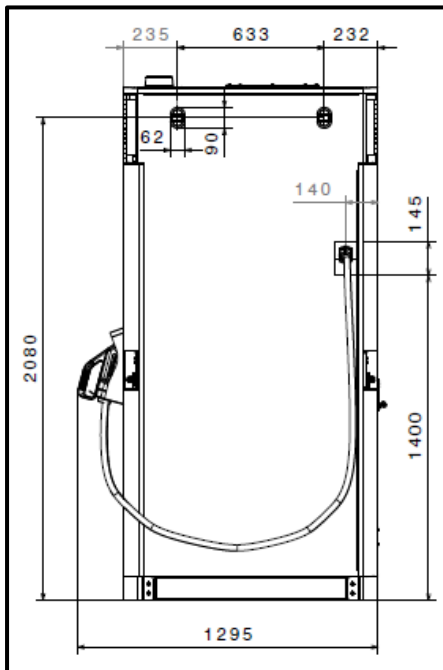


Figure: right view

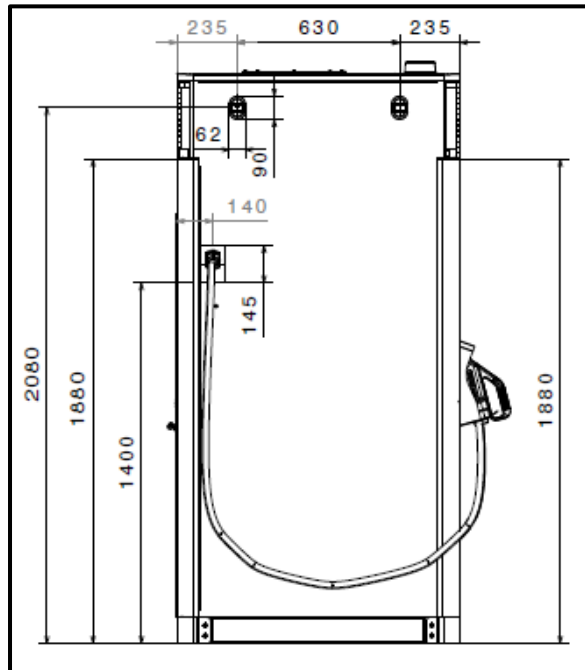


Figure: left view

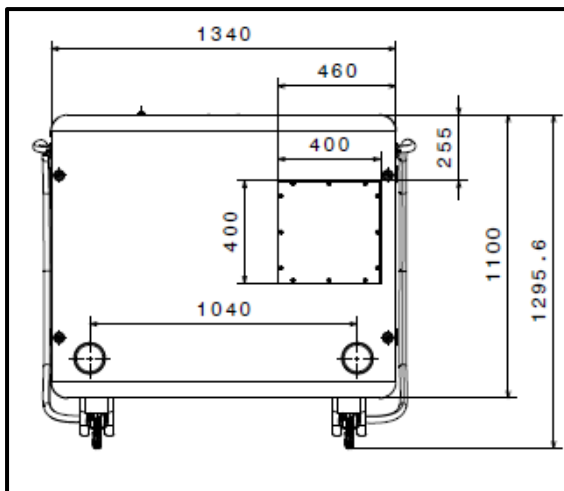


Figure: top view

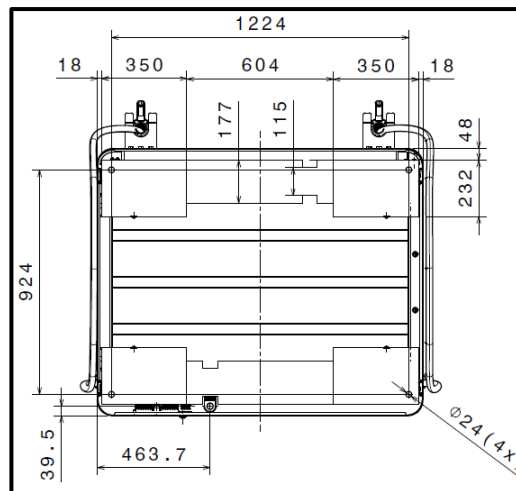


Figure: bottom view

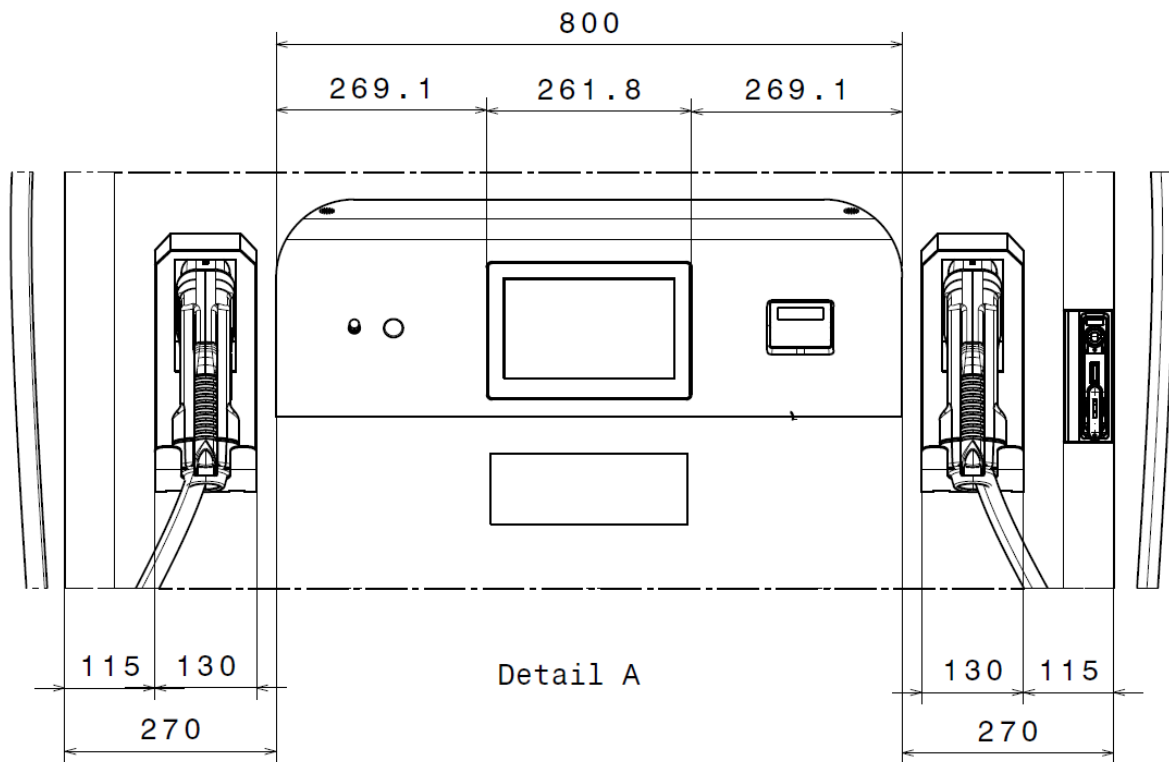


Figure: front detail view

¹ See CE declaration of conformity document

² When connected to grid with 400V/63A

³ With temperature-controlled 400A rated high power CCS cable

⁴ With temperature-controlled 400A rated high power CCS cable

⁵ See warranty agreement