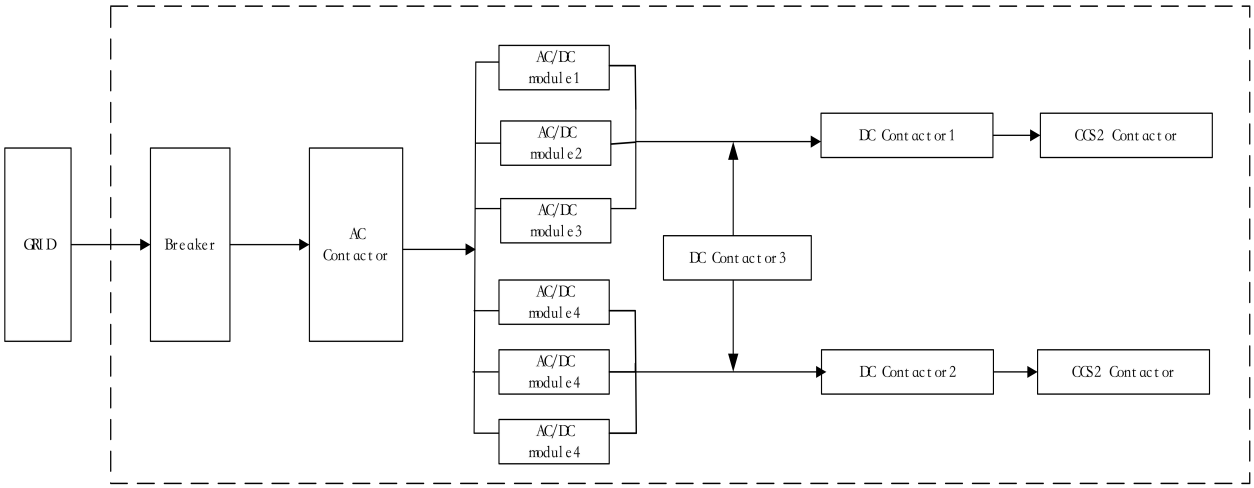
YLUXD240KE-01

Parameters of the manual

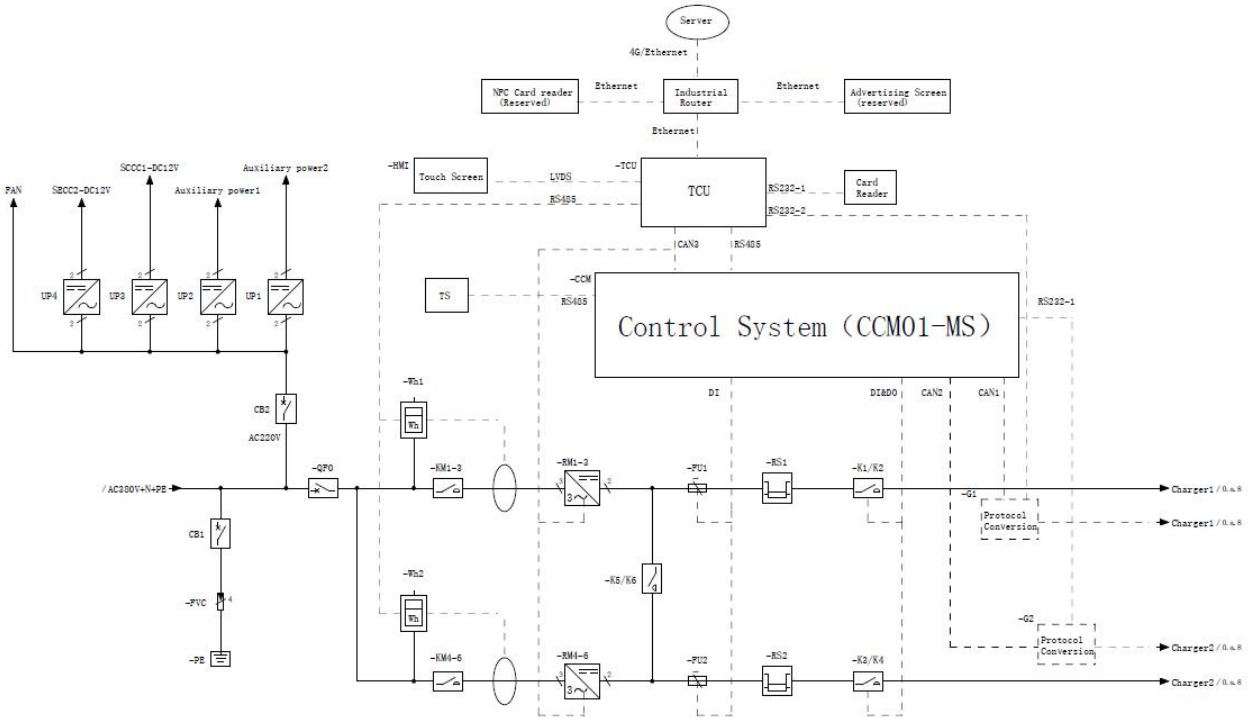
V1.2

Part 1: Charging Station Appearance

Part 2: Charging System Architectures



Part 3: System Communication Topology



Part 4: Main Technical Parameters

Specification	Model	YLUXD240KE-01	
Power Input	Phases / Lines	3 phase + neutral + PE	
	Voltage	AC 400 V ± 10%	
	Frequency	50Hz	
Power Output	Voltage	DC 200~1000V	DC 200~1000V
	Current	Max. 300A	Max. 300A
	Power	Max. 240 kW	Max. 240 kW
	Charging way	meantime	
Structure Design	Installation Method	Floor-stand	
	Charging Outlet	DC CCS 2	DC CCS 2
	Cable Length	5.0 m	5.0 m
	LED Indicator	Yes	
	HMI	10.1 in Color touch screen	
	Payment Mode	RFID Card / QR Code	
	Energy meter	MID (PTB customized)	
	Efficiency	> 95%	
	Power Factor	> 0.98 (50% ~ 100% load)	

	Harmonics	iTHD < 5%
	RCD	Yes
Communication	Charger v.s. EV	PLC (DIN 70121: 2014-12/ ISO15118)
	Communication Protocol	OCPP 1.6
Environmental Index	Operating Temperature	-30 °C ~ +50 °C
	Working Humidity	5%~95% without condensation
	Working Altitude	<2000M
	Protection Grade	IP54
	Application Site	Indoor/Outdoor
	Cooling Method	Air-blast cooling
	Noise	≤65dB
Safety Protection	Multiple Protection	Over/Under voltage protection, Overload protection, Short circuit protection, Over temperature protection, Grounding protection, Surge protection
	Certification	CE marking: complies with IEC 62196, IEC 61851EMC Compliance EU: EN55011, EN55022 and IEC61000-4Surge Protection: IEC 6100-4-5, Level 5 (6 kV @ 3,000A) or greater
Package Information	Net Weight	≤500KG
	Gross Weight	≤550KG
	External Packing	Wooden case

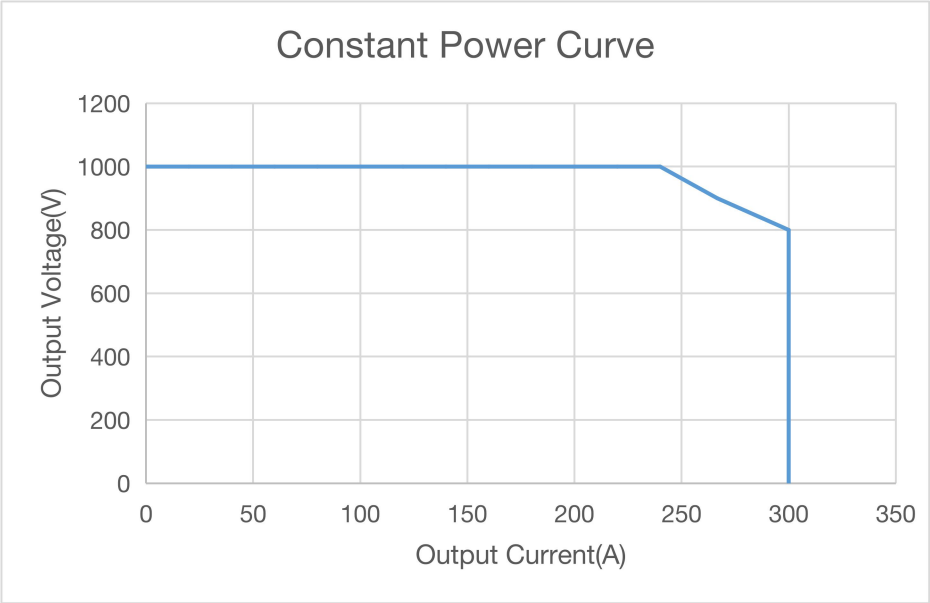
Part 5: Charging Station Dimension (Appendix 1)

Part 6: Charging Station Foundation Dimension (Appendix 2)

Including A. Foundation type and B. Trench type

Part 7: Charging Power/Current Curve

CCS2 power curve (Single channel working mode):

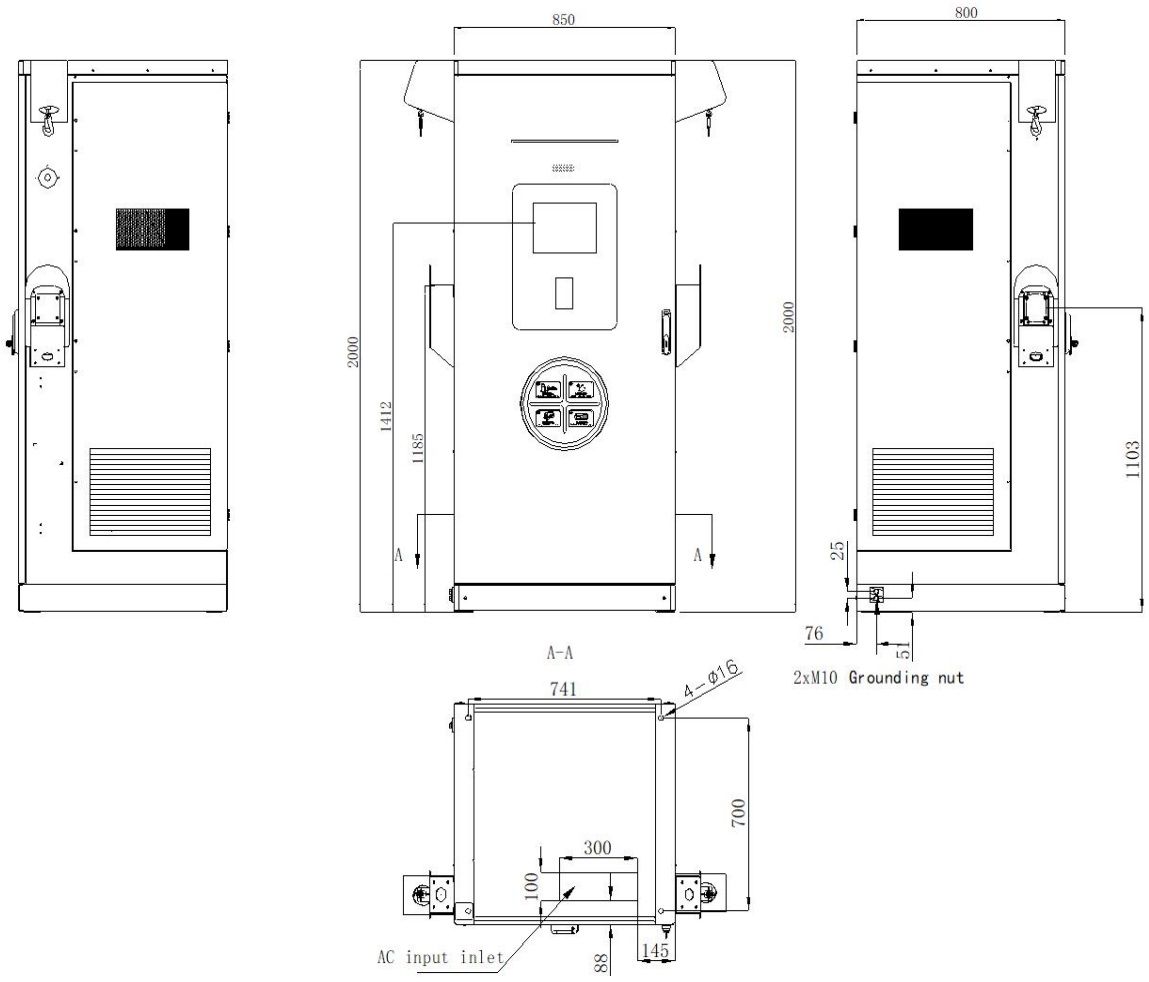


Appendix 1 Charging station diagram

Technical Requirement:

1. Total weight ≤ 400 kg (including module);
2. The recommended height of the base is 150mm ~ 200mm;
3. The vertical height of three-phase incoming lines A, B, C, N, PE from the installation surface is 410mm, 410mm, 410mm, 410mm and 310mm respectively; It is recommended that the cable length is 560mm, 560mm, 560mm, 560mm and 460mm respectively.

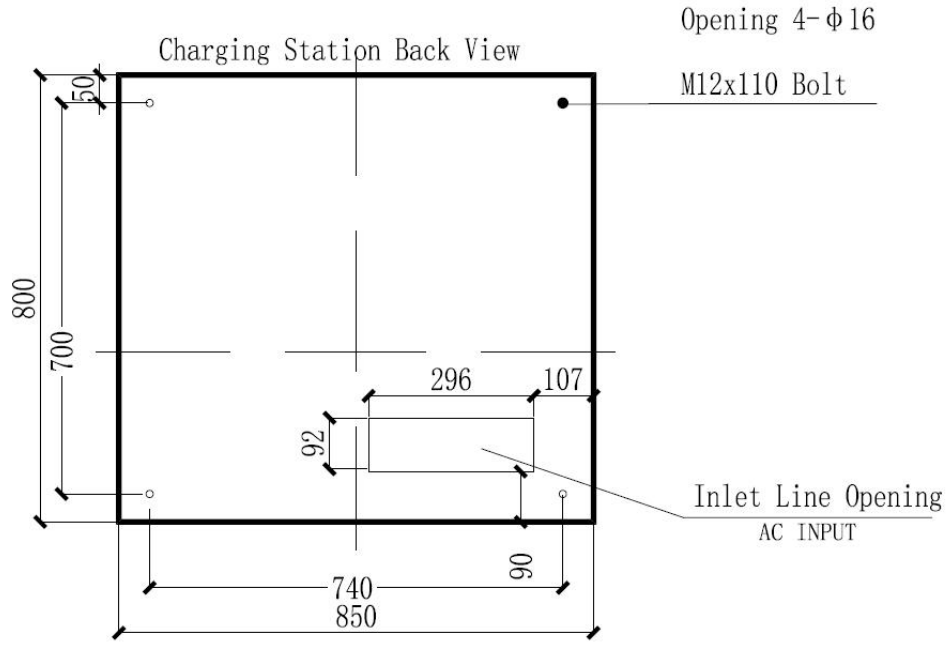
Right side Front Left side



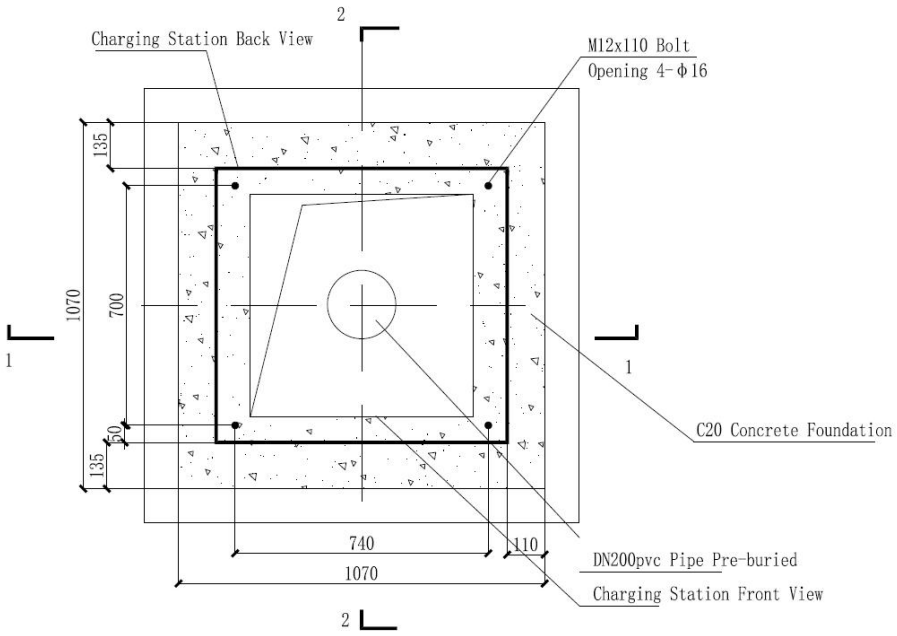
Vertical view

Appendix 2 Charging Station Foundation Dimension

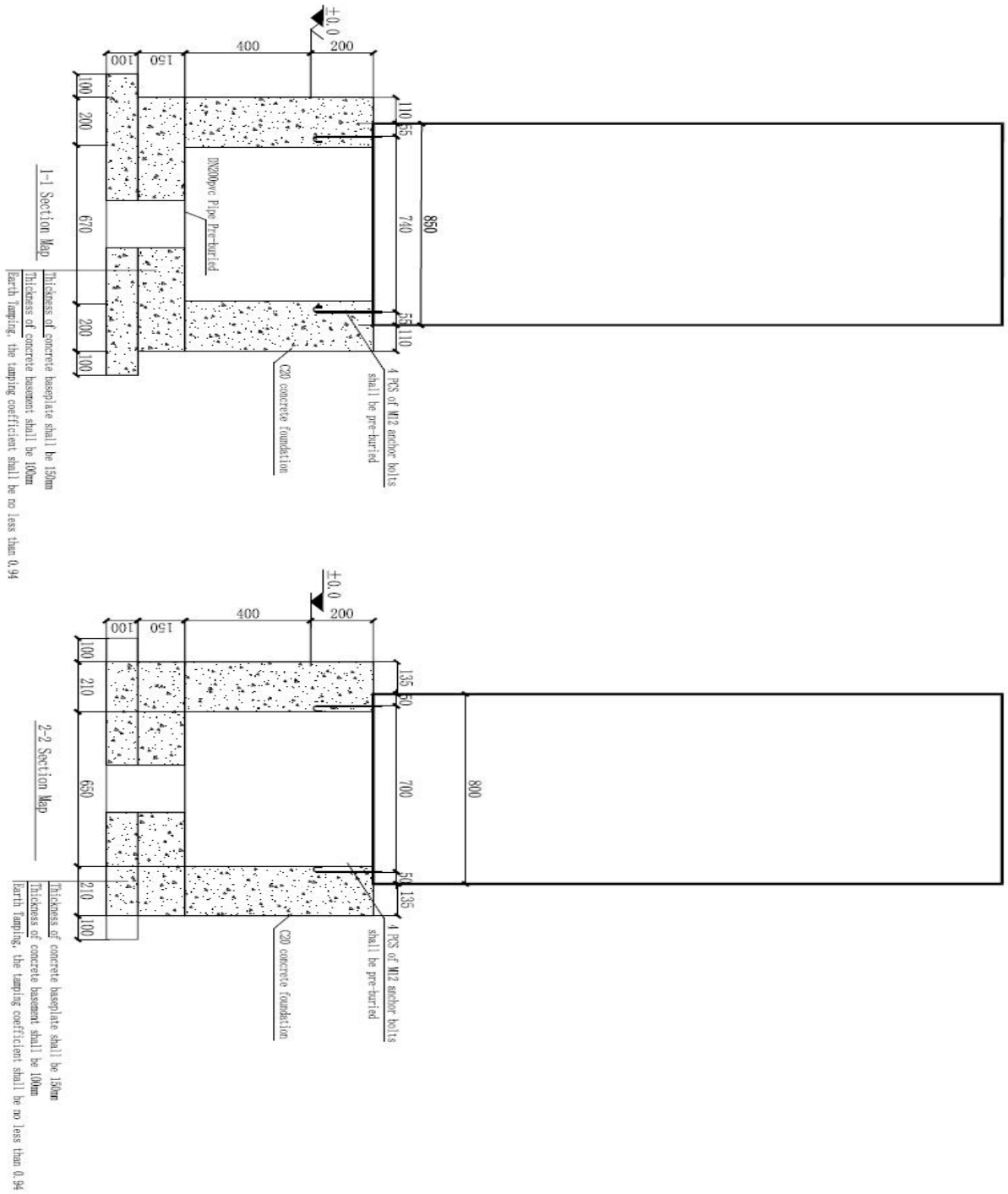
A. Foundation type



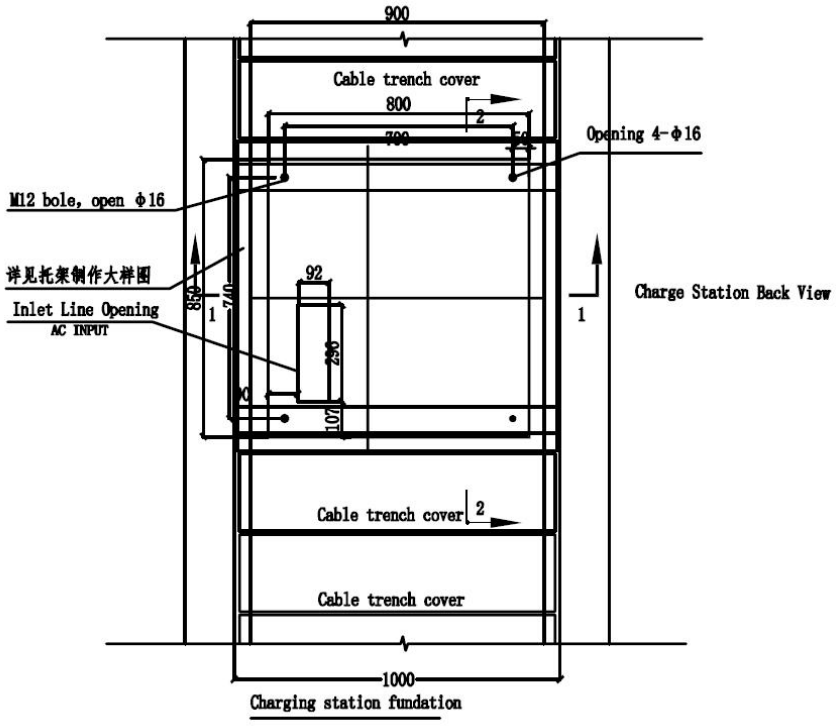
Charging Station Front View
Bottom Plan View of Charging Station



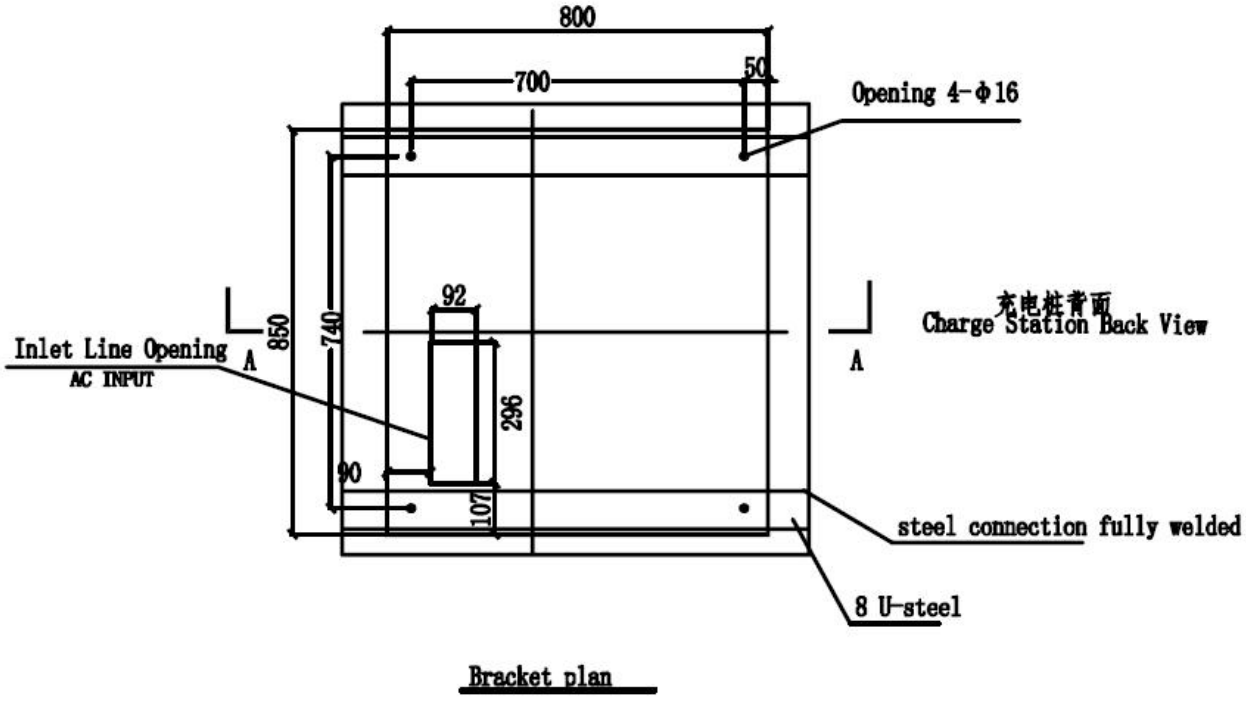
Foundation Plan of Charging Station



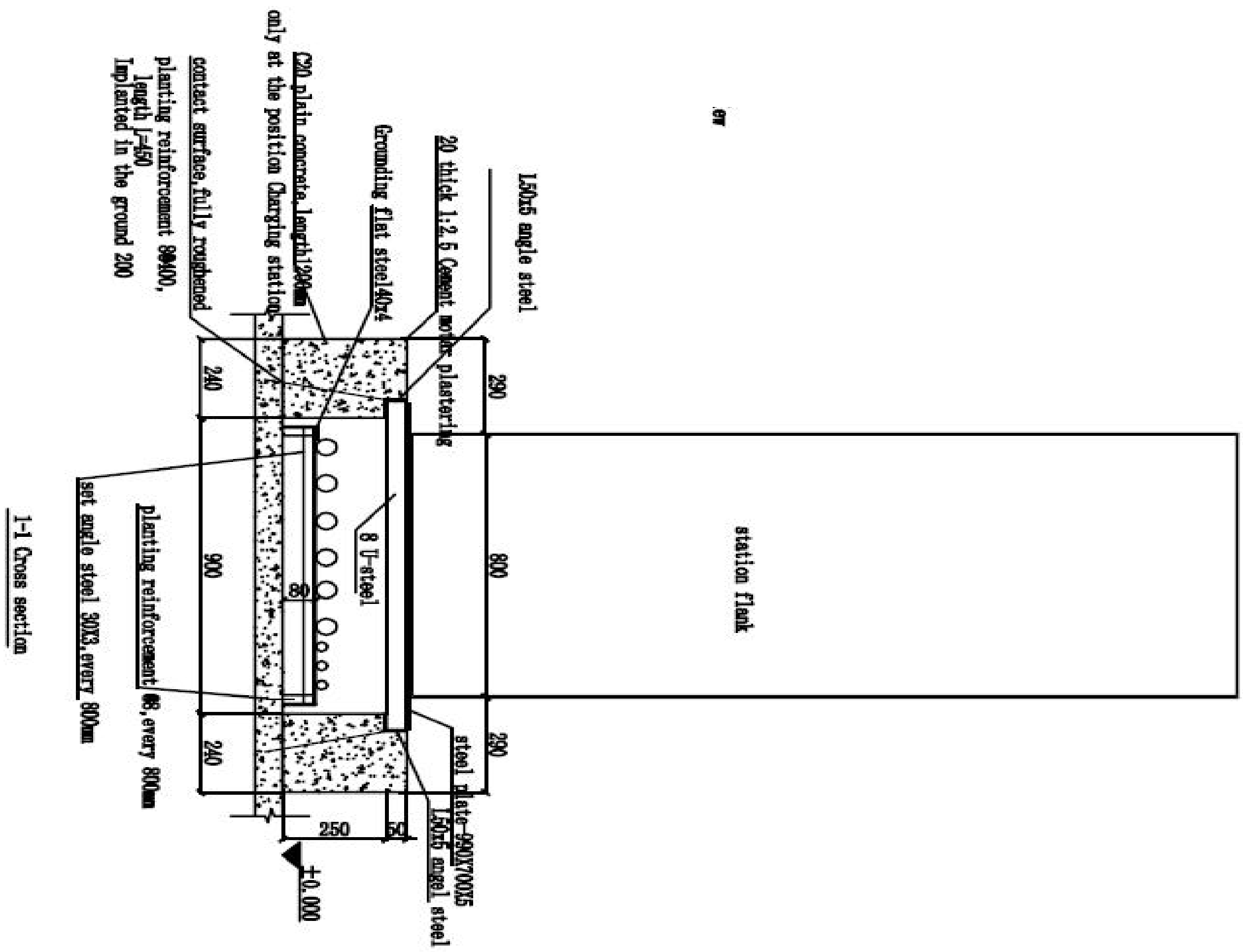
The charging station must be installed on the customized concrete cement (No. ≥ C20) foundation; The installation foundation should be no less than 200mm higher than the horizontal ground; installation vertical inclination is ≤ 5%; The grounding resistance must be ≤ 4 Ω; four M12 * 110 bolts are embedded in the cement foundation. The thread is 50 ± 3mm above the ground, and fixed firmly with four M12 nuts and elastic flat pads, with a tightening torque of 60Nm. Refer to figure 2-10 for the foundation drawing of charging station.



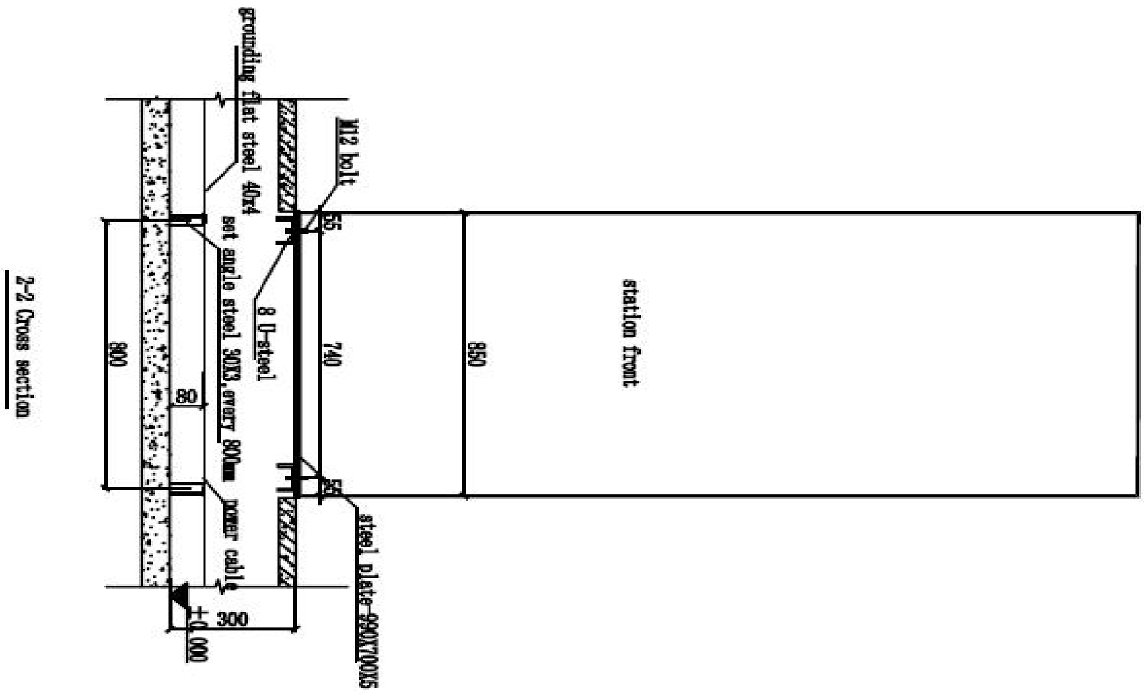
B. Trench type



Bracket plan



L50x5 angle steel
20 thick 1:2.5 Cement mortar plastering
Grounding flat steel40x4
C20 plain concrete,length1200mm
only at the position Charging station
contact surface,fully roughened
planting reinforcement Ø8@400,
length l=450
Implanted in the ground 200
8 U-steel
planting reinforcement Ø6,every 800mm
set angle steel 30X3,every 800mm
steel plate-920X700X5
L50x5 angel steel
station flank
290
800
290
240
900
240
80
250
50
±0.000
1-1 Cross section



grounding flat steel 40x4
M12 bolt
set angle steel 30X3,every 800mm
8 U-steel
power cable
steel plate-920X700X5
station front
55
740
55
850
800
80
300
±0.000
2-2 Cross section

Notice：

1. The steel used for all steel members in this design drawing is Q235, and the welding rod adopts E43 type;
2. All structural parts with threaded holes or round (square) holes shall be machined with smooth and sharp corners；
3. Before fabrication, the steel surface shall be subject to manual and mechanical derusting treatment, and the derusting quality requirements shall meet (cb8923-88)；
4. The steel structure surface shall be treated with two layers of epoxy zinc rich primer and two layers of white alkyd finish paint. The dry film thickness of the two layers of paint shall not be less than 150um；
5. The positioning of all openings in the steel plate on the bracket shall be communicated with Party A again before processing, and the construction can be carried out only after confirming that there is no change in the openings of the delivered equipment.

Shenzhen Winline Technology Co., Ltd