Power Specifications

Input Connection	3-Phase : 3P+N+PE
Input Voltage	400Vac ±10%
Frequency	50Hz or 60Hz
THDi	≤5%
Power Factor	≥0.99 (load:50%-100%)
Output Voltage	150Vdc - 1000Vdc
Max. Output Current	250A （ 500A Optional）
Output Power	360kW/480kW

User Interface & Control

LCD Display	7" Color Touch Screen
User Authentication	RFID(ISO/IEC 14443)(APP/ Credit Card Customization)
Charger Connector	CCS2 (CCS1 Optional)
Number of Output Ports	8 (max)

Communication

Backend	Ethernet (4G Optional)
Charging Protocol	ISO 15118 , DIN 70121
Backend Protocol	OCPP 1.6 J (OCPP2.x Coming soon)

Protection

Residual Current Device	Yes
Electrical Protection	Over/Under Voltage Protection,Over Current Protection, Short Circuit Protection, Over Temperature Protection, Emergency stop, Surge Protection

Environmental

Operating Temperature	-20℃ - +50℃
Storage Temperature	-40℃ - +75℃
Operating Humidity	5%- 95% RH, Non-Condensing
Operating Altitude	≤ 2000m
IP, IK Level	IP55, IK10
Cooling Method	Forced air cooling

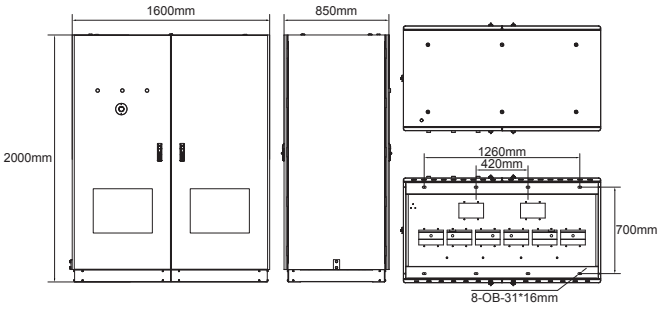
Mechanical

Product Dimension	850mm*1600mm*2000mm(W*D*H)
Charging Cable Length	5m (Customizable)
Weight	700kg
Mounting	Free Standing

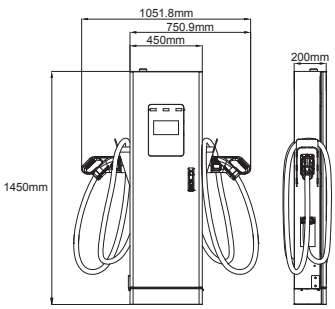
Certifications

Certificate	IEC61851-1,IEC61851-23,IEC61851-24,IEC62196-1,IEC62196-3
Safety	CE

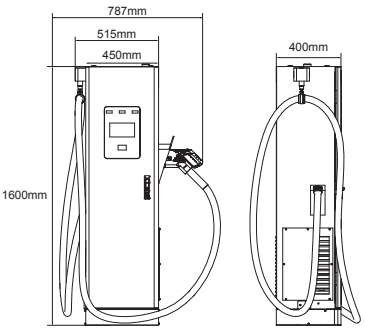
Power cabinet



Charge station



HPC Charge station



System Solution

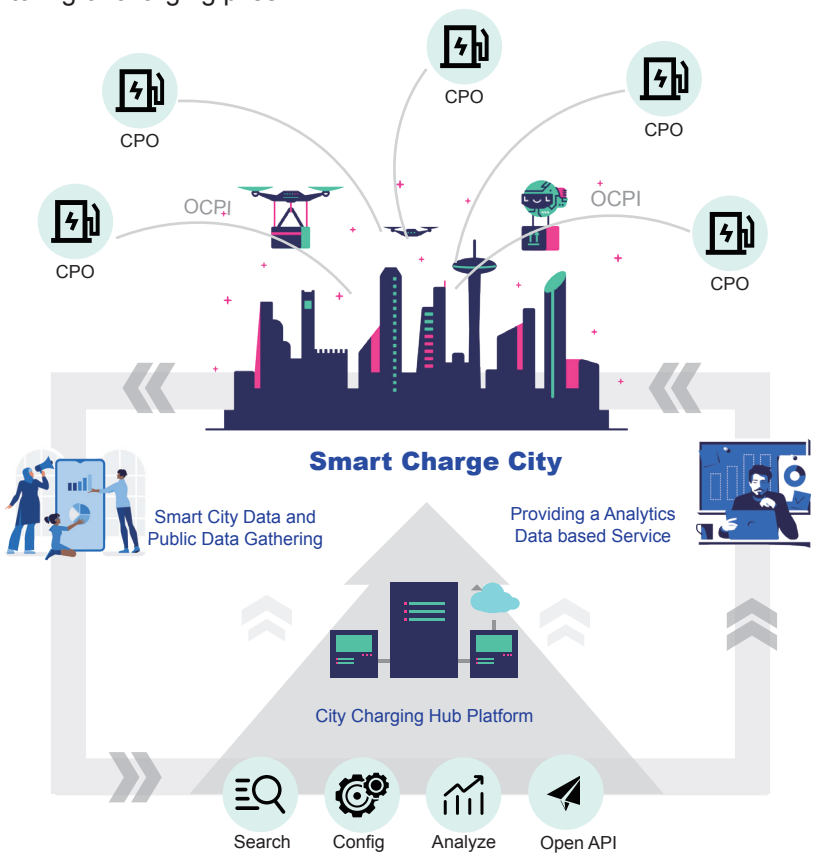
EV charging management system

Sino's Charging Management System is a scalable and highly available distributed system with micro service architecture.It supports charging fault cloud backup protection mechanism and orderly charging management algorithm, which effectively enhance the safety monitoring of charging stations.



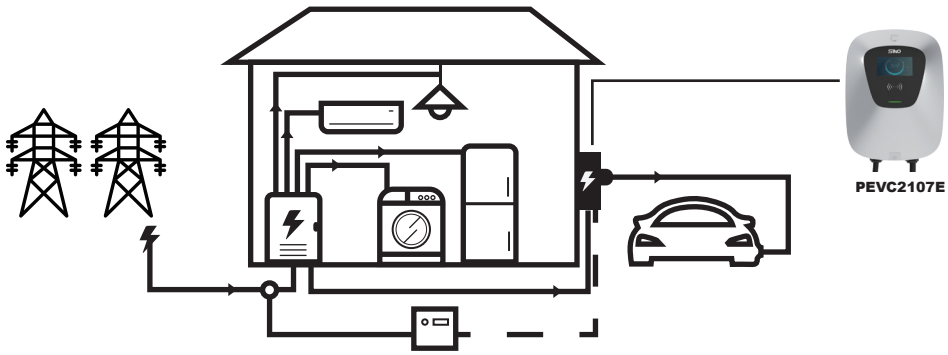
City platform solution

The charging operation management system cloud platform is a new generation of charging cloud multi-user management platform of Pilot Technology. It adopts a scalable and highly available distributed system with micro-service architecture, supports distributed massive storage, and adopts a high fault tolerance mechanism to meet the near-second big data query. It supports cloud backup protection mechanism for charging faults, adaptive algorithm for vehicle big data anomaly analysis and orderly charging management algorithm, which can effectively enhance the safety monitoring of charging piles.



What is Dynamic Load Balancing for EV charging?

Electric vehicles can consume half of your home's electrical capacity or at least a considerable portion of it. Simply adding a charger can easily cause overload for familles that do not have a large amount of unused power capacity left. Increasing the power capacity for your home is expensive. Using a smart Dynamic Load Balancing system can help avoid that cost and still charge your electric vehicle at the maximum possible speed.
Dynamic Load Balancing (DLB) is a smart solution that allows you to safely balance the power consumption between your electric vehicle and your other electrical home appliances. The remaining available energy will be used to charge your car in the most efficient way.



Super Power Solution

Cluster DC charging heap solution integrates power distribution, power transformation and charging cabinet, with an external charging terminal. When charging electric vehicles, the system can flexibly and dynamically allocate output power according to different models and quantities.







Application Cases - Overseas

Total Power of EVSEs
1,000,000+
kW

CMS Charging Orders
2,860,000+

Total Num. of EVSEs
104,000+
AC: 82,000+ , DC: 22,000+

CMS Charging Time
3,770,000+
hour

Business Project





EV Manufacturer

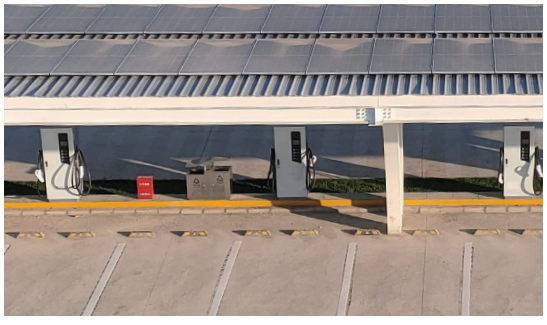



ODM Project





High-way Station


Government Project
130+

Residential Building
1950+

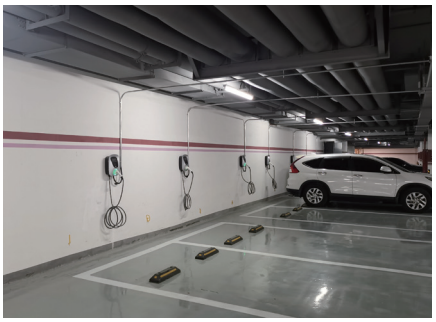
Transportation
390+

Commercial Building
1300+

Public Building
650+

Business Project
650+

Tourist Station





Bus Station







Parking Lot





Public Transport Station




Application Cases - Domestic

High-way Station






Business Project






Government Project






Supermarket Project






Office Building Project






Super Power Project






Indoor Parking Lot






Outdoor Parking Lot

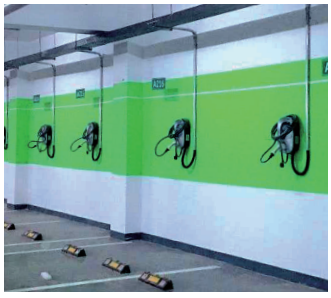
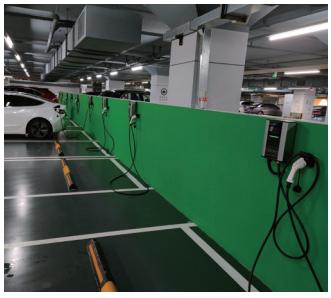


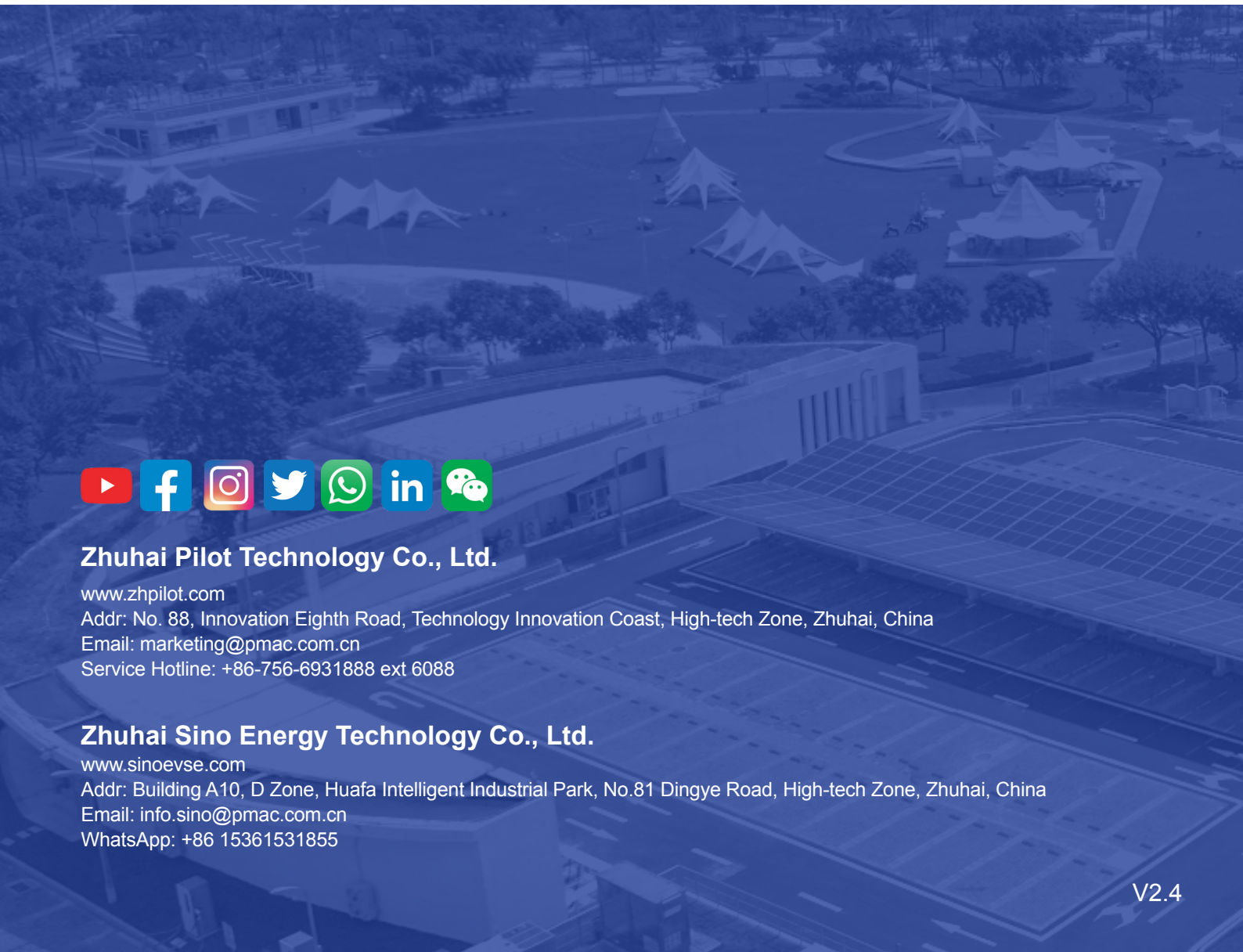

Commercial Project






Residential Project

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