



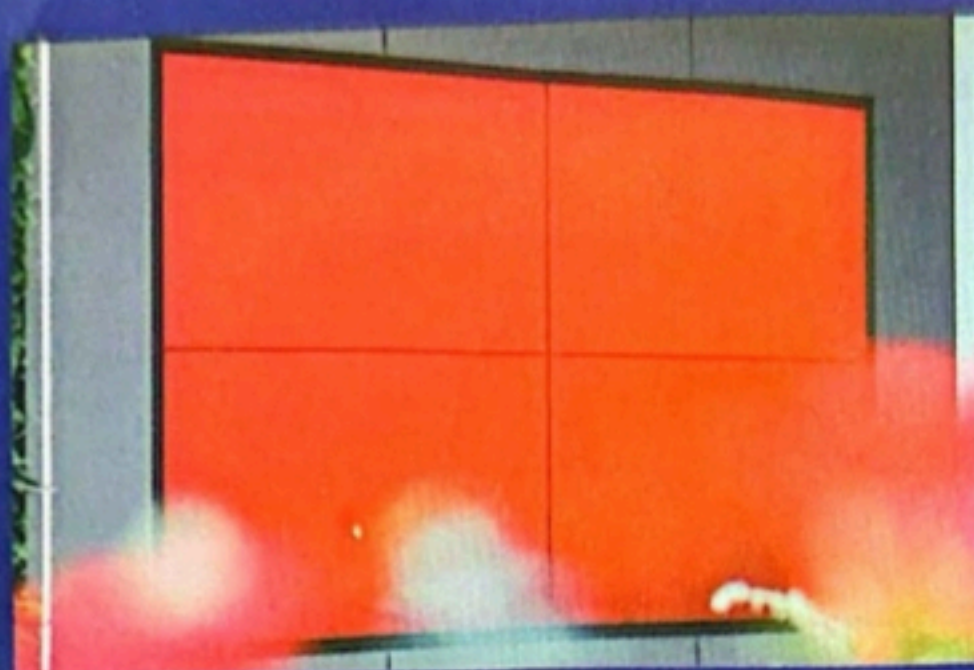
H O R I Z O N

EV Charging Solution

Better Charging for Better Life



HORIZON MOTOR INC.



H O R I Z O N



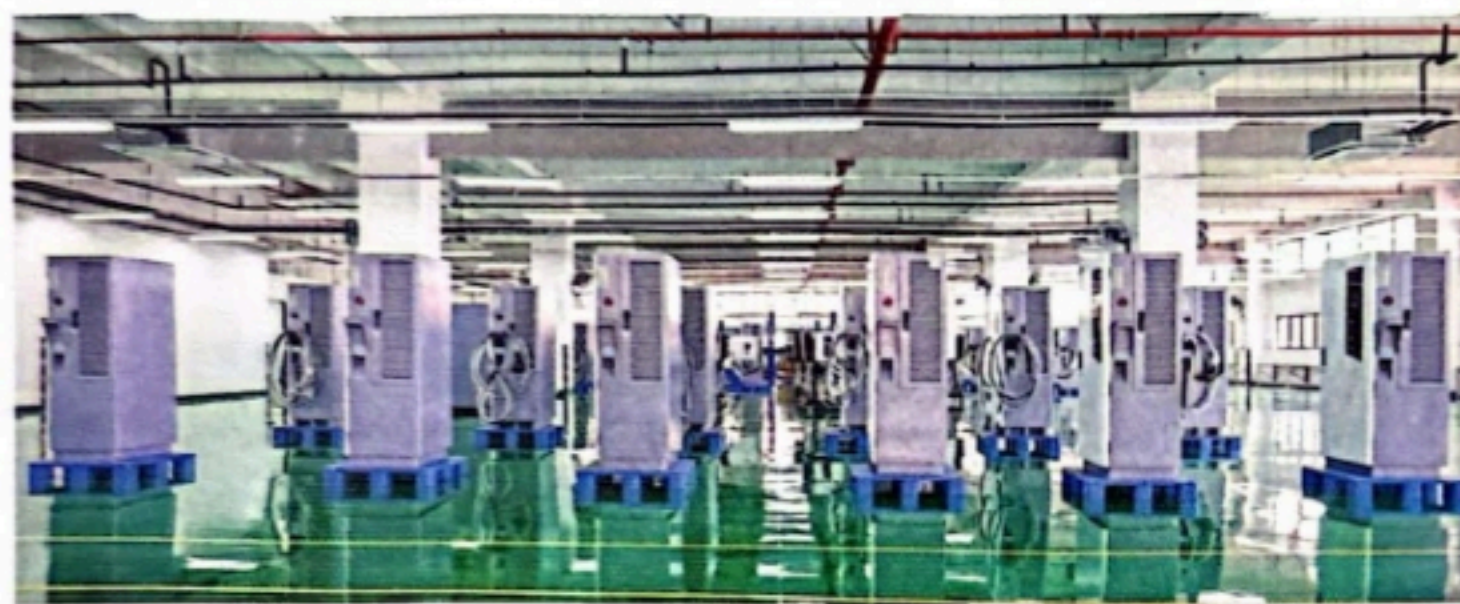
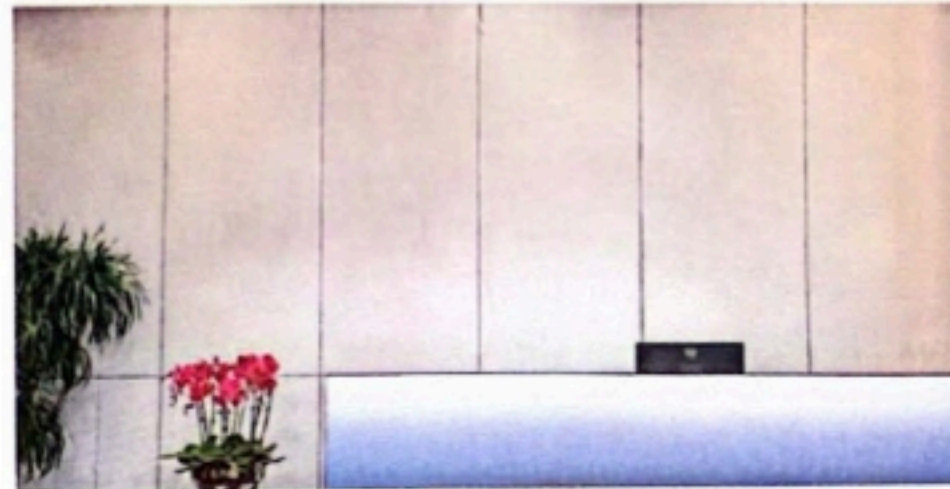
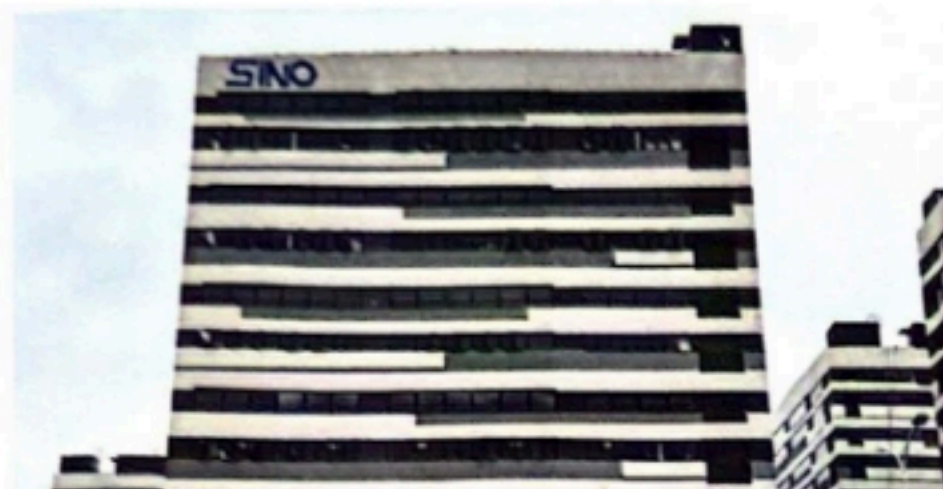
<https://horizonmotor.com/>

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Introduction

Sipa is a trusted provider of EV infrastructure solutions, including EV chargers and cloud management systems. With over 10 years of experience, we are a subsidiary of Zhuhai **Pilot** Technology Co., Ltd. (stock code: 831175), headquartered in Zhuhai, China. We are proud to have been granted over 500 invention patents and 300 software copyrights, as well as various certifications, such as ISO, CE, TUV, CMMI, and UL.



Our R&D centers in Shenzhen, Zhuhai, and Wuhan, and three main manufacturing bases covering over 45,000 square meters in Zhuhai, enable us to deliver innovative EV charging infrastructure for all vehicle segments. Our products have been applied in more than 70+ countries, and we remain dedicated to creating maximum value for our customers.



Key Milestones

Focusing on intelligent power meters, Pilot company was founded and stood on the top echelon soon in the global market.

2004

Born as a subsidiary of PILOT, SINO ENERGY explored charging infrastructure solutions for smarter e-mobility.

2006

2011

Pilot company was listed. Stock code: 831175.

2014

2016

PILOT's brand influence grew as more products were applied worldwide, especially in Europe and Southeast Asia.

Released the 1st generation 7KW AC EV chargers, which were widely used in the market.

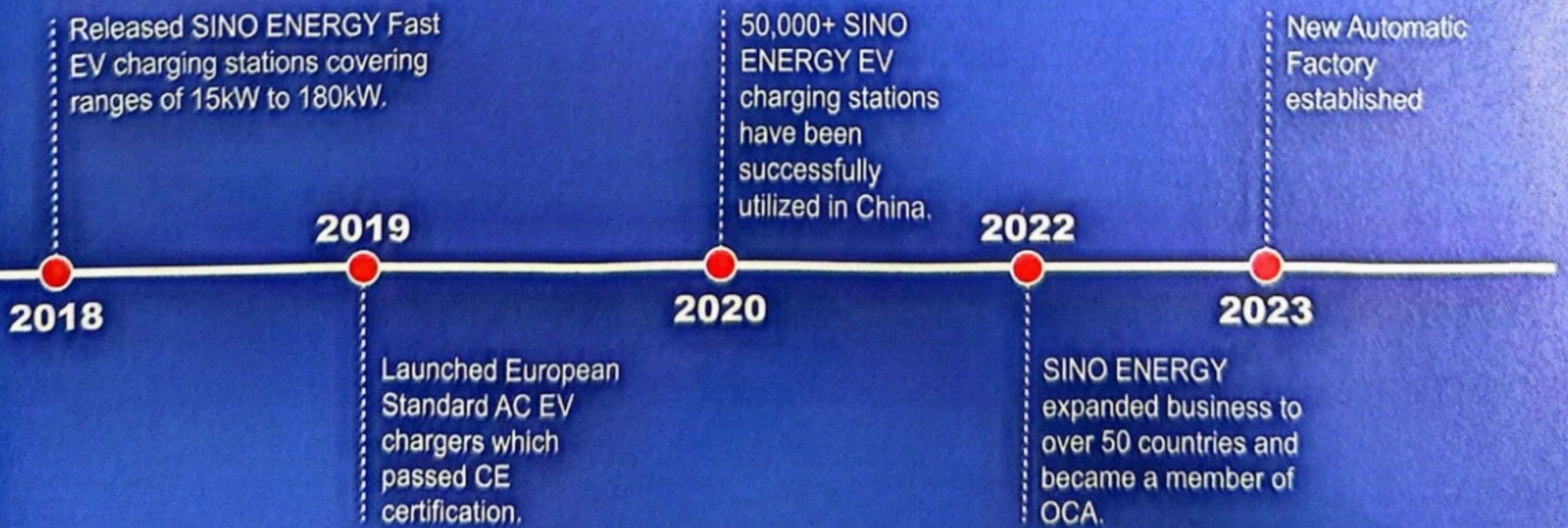
Launched the 2nd generation 2*7kW AC EV charger and 42kW fast AC EV charger, becoming a mainstream EV charger supplier.

Mission

Our mission is to deliver exceptional value and quality EV charger and services to customers around the world.

Vision

Our goal is to provide reliable EV charging solutions worldwide.



Company Qualifications



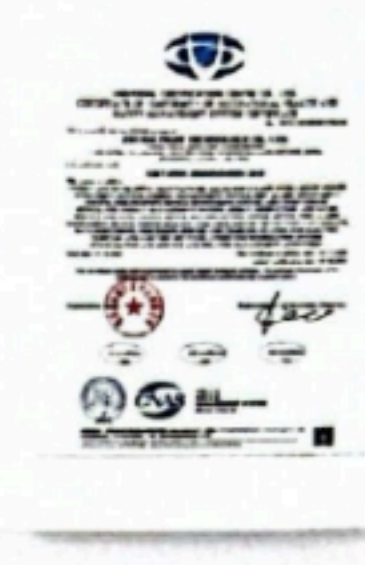
ATF16949



ISO9000



ISO14000



ISO45000



OCA Members



AAA Credit Rating Certification



Key High-tech Enterprise Certification



CMMI Level 3 Certification



National High-tech Enterprise Certification

Product Certifications



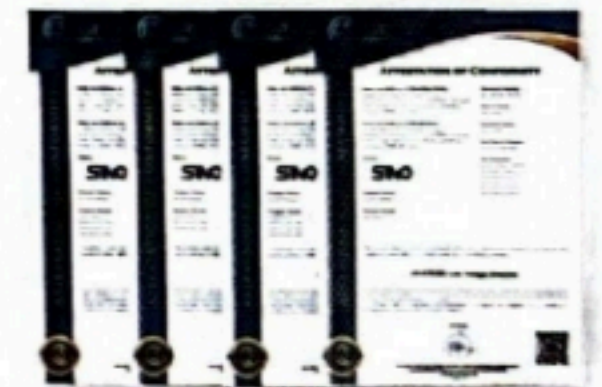
TUV



CE-RoHS



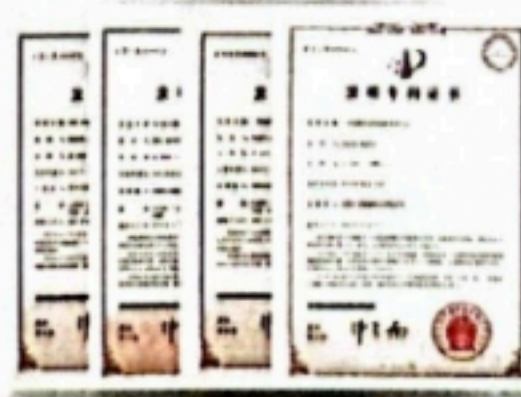
CE-EMC



CE-LVD



Design Patents Certification



Invention Patents Certification



Utility Model Patents Certification



OCPP Full Certification

Global Partners



















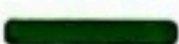
























Products

Domestic Products



Business



	Rated Power	Output Current	Output Voltage	Charge Plug
	7kW 	32A 	220V 	 GB/T AC
	7kW 	32A 	220V 	 GB/T AC
	14kW 	32A 	220V 	 GB/T AC
	40kW 	133A 	1000V 	 GB/T DC
	80kW 	200A 	1000V 	 GB/T DC
	160kW 	250A 	1000V 	 GB/T DC
	240kW 	250A 	1000V 	 GB/T DC
	480kW 	250A 	1000V 	 GB/T DC
				

- OEM/ODM/ Re-label Business Partner
- EV Charger Developer and Manufacturer
- Charging Station Management System
- Hardware/ Software Solutions Experts



MID



Overseas Products

Home



DTPEVC2108E

Rated Power
7KW
(11kW/22kW)

Output Current

16A

32A

Output Voltage

230V

400V

Charger Connector



Type2



Type1



PEVC2107E

7KW/11kW/
22kW

16A

32A

230V

400V



Type2



Type1



PEVC2201E

11kW/22kW
(7kW)

16A

32A

230V

400V



Type2



Type1



PEVC3101E

30kW
30kW

100A

1000V



CCS2



CCS1



CHAdeMO



PEVC3101E

60kW
30kW

200A

1000V



CCS2



CCS1



CHAdeMO



PEVC3106E

120kW/100kW
30kW
20kW(optional)

200A

250A(Optional)

1000V



CCS2



CCS1



CHAdeMO



PEVC3107E

180kW/240kW
30kW

200A

250A(Optional)

1000V



CCS2



CCS1



CHAdeMO



PEVC3302E

360kW/480kW
30kW

200A

250A(Optional)

1000V



CCS2



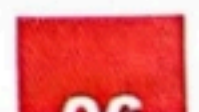
CCS1



CHAdeMO



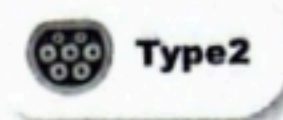
Business



PEVC2108E 7kW(11kW/22kW)

AC EV Charger Home Series

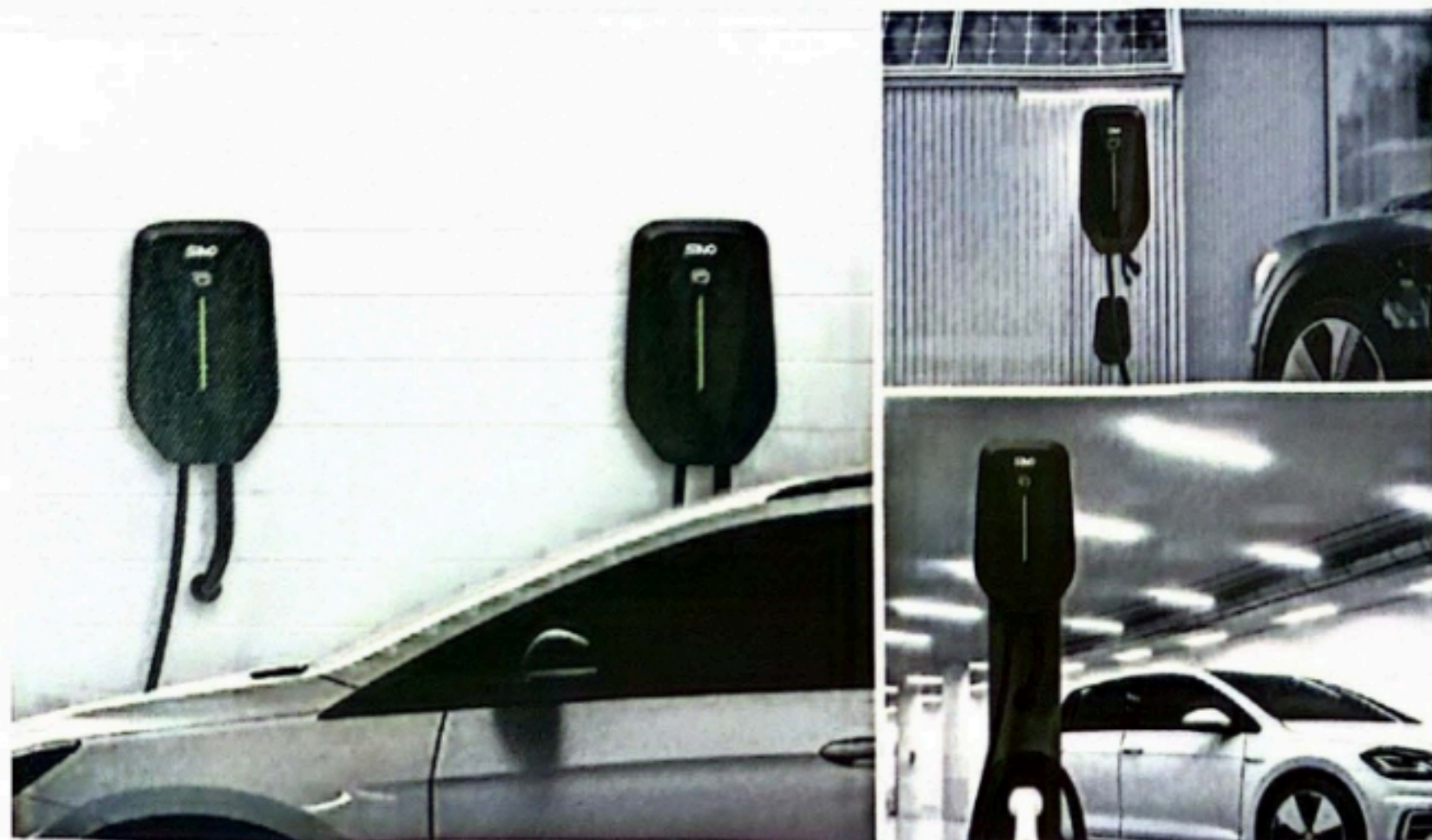
PEVC2108E is a flexible and high cost-effective EV charger.



- Ideal choice for residential and commercial EV charging
- Stylish, ergonomic and customizable design
- IP55 rated for indoor/outdoor applications
- Optional RFID/App etc. for user identification and management
- Multiple protection to ensure users' safety
- Charger Connector: SAE J1772 (Type 1)/IEC 62196-2 (Type 2)
- OCPP 1.6 JSON (Comply with latest OCPP protocol as SINO is the member of OCA)
- Optional wall-mount and stand-mount to save installation space for both indoor & outdoor applications

Applications

- Home charging
- Parking garage
- EV dealer workshops



Power Specifications

Input Connection	Single-Phase: 1P+N+PE (3-Phase Optional : 3P+N+PE)
Input Voltage	230Vac \pm 10% (400Vac \pm 10% Optional)
Input Current	16A or 32A
Frequency	50Hz or 60Hz
Output Voltage	230Vac \pm 10% (400Vac \pm 10% Optional)
Output Current	16A or 32A
Rated Power	7.4kW (11kW - 22kW Optional)

User Interface & Control

LCD Display	-
User Authentication	RFID(ISO/IEC 14443) / APP
LED Indicator	Green/Blue/Red
Charger Connector	IEC 62196-2 Type 2 (SAEJ1772 Type 1 Optional)
Energy Measuring	Embedded meter, with 1% accuracy

Communication

Backend	Bluetooth
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Protection

Residual Current Protection	Type A 30mA+DC 6mA
Electrical Protection	Over/Under Voltage Protection, Over Current Protection, Short Circuit Protection, Over Temperature Protection, Lightning Protection, Ground Fault, Surge Protection

Environmental

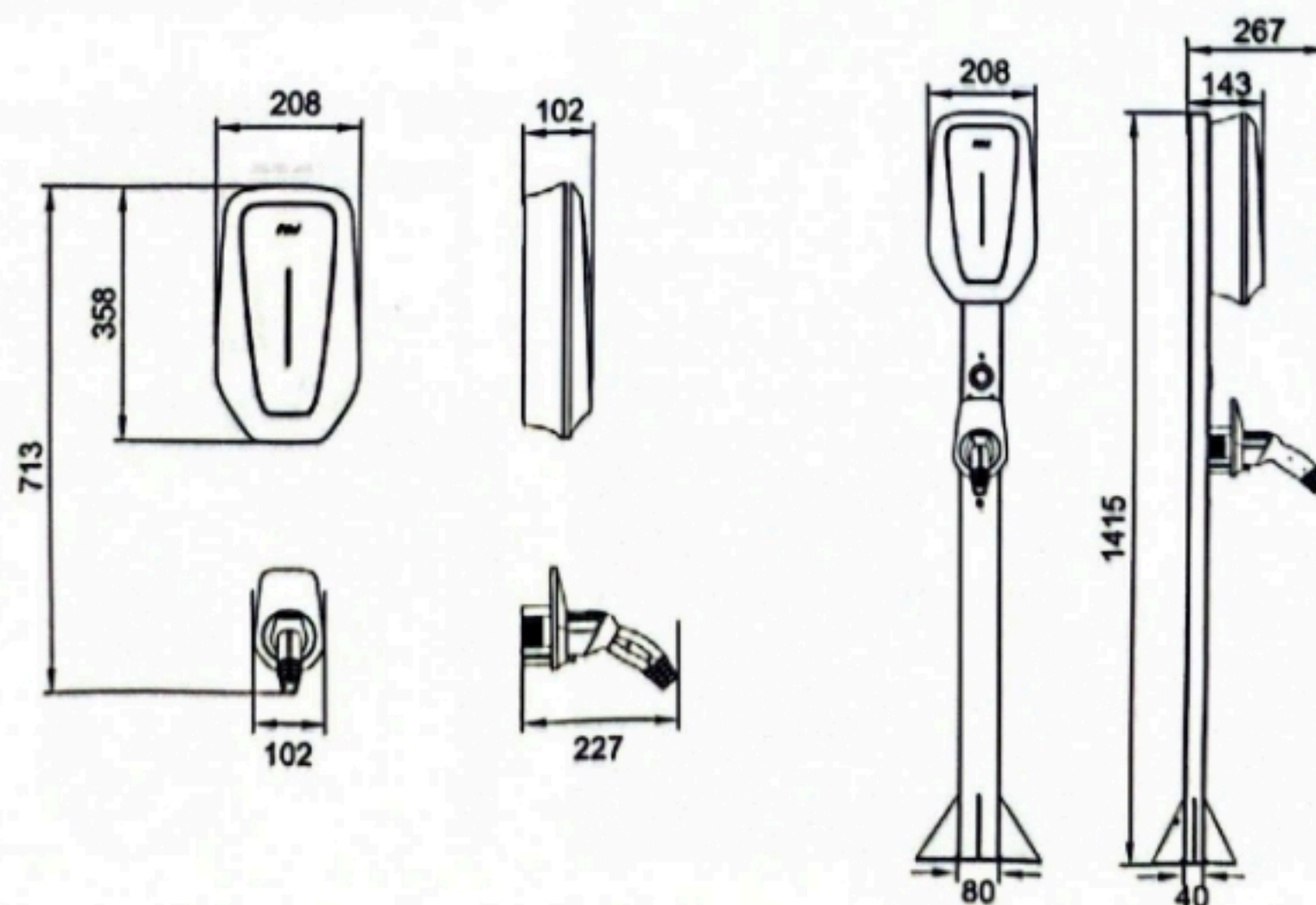
Operating Temperature	-30 $^{\circ}$ C - +50 $^{\circ}$ C
Storage Temperature	-40 $^{\circ}$ C - +85 $^{\circ}$ C
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	\leq 2000m
IP, IK Level	IP55, IK08
Cooling Method	Natural Cooling

Mechanical

Product Dimension	208mm*358mm*102mm(W*D*H)
Package Dimension	270mm*420mm*220mm(W*D*H)
Weight	3.3kg(Net) / 4kg(Gross)
Charging Cable Length	5m (Customizable)
Mounting	Wall-mount and Stand-mount

Certifications

Certificate	EN 61851-1 2019, IEC 62955 2018, IEC 61008-1 2010, IEC/EN 62196-1
Safety	CE



PEVC2107E 7kW/11kW/22kW

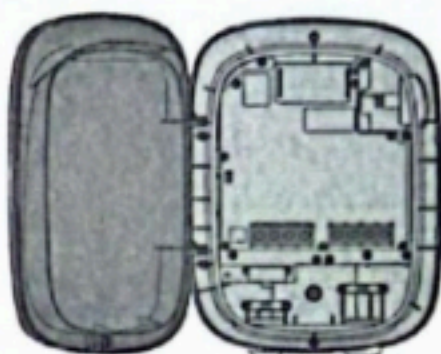
AC EV Charger Commercial Series

PEVC2107E is a flexible and high cost-effective EV charger.



Type2

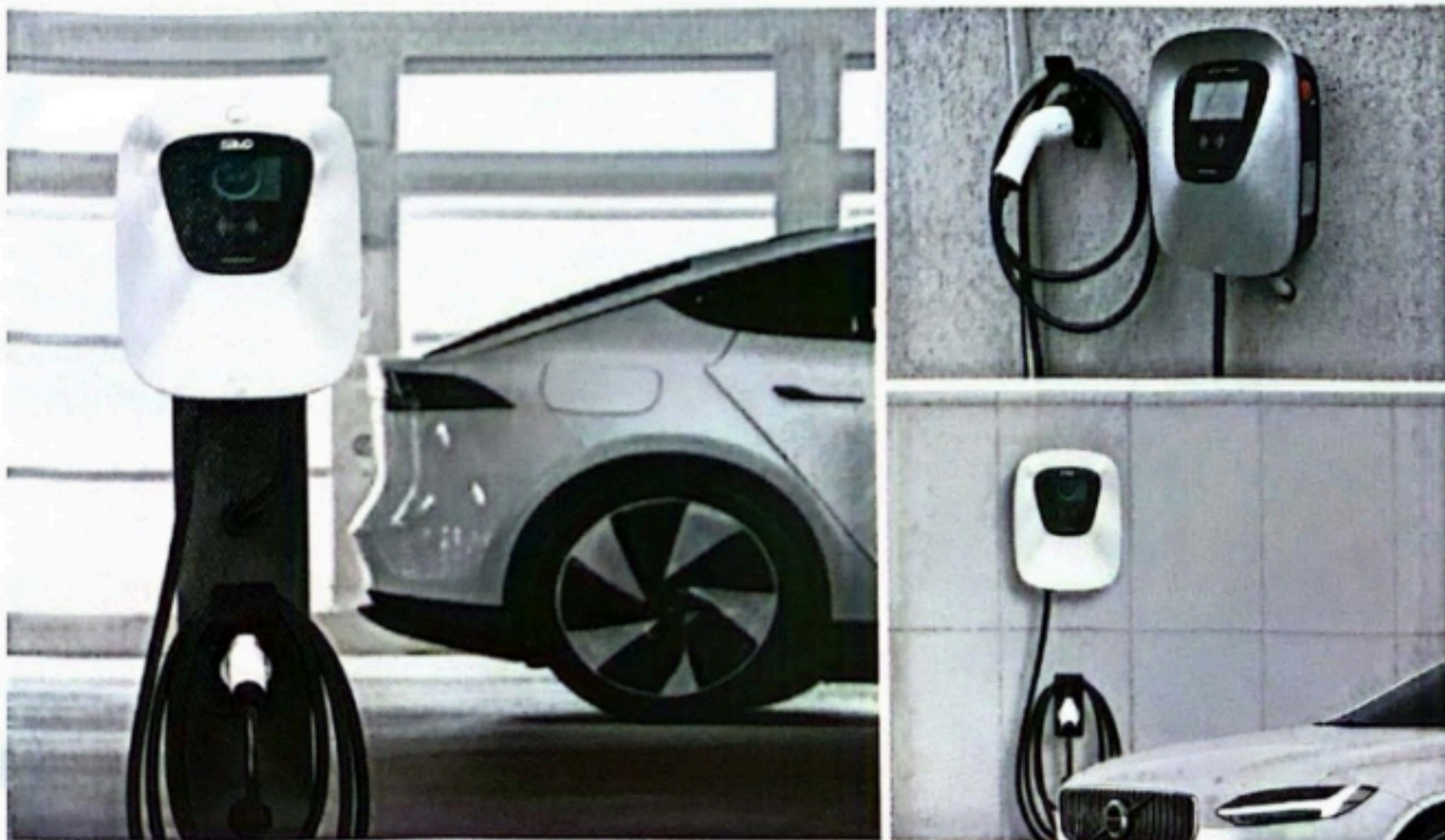
Type1



- Ideal choice for residential and commercial EV charging
 - Stylish, ergonomic and customizable design
 - IP55 rated for indoor/outdoor applications
 - Optional RFID/App etc. for user identification and management
 - Multiple protection to ensure users' safety
 - Charger Connector: SAE J1772 (Type 1)/IEC 62196-2 (Type 2)
 - OCPP 1.6 JSON (Comply with latest OCPP protocol as SINO is the member of OCA)
- Optional wall-mount and stand-mount to save
- installation space for both indoor & outdoor applications

Applications

- Highway gas/service station
- Parking garage
- Commercial fleet operators
- EV dealer workshops
- EV infrastructure operators and service providers



Power Specifications

Input Connection	Single-Phase: 1P+N+PE or 3-Phase: 3P+N+PE)
Input Voltage	230Vac ±10% or 400Vac±10%
Input Current	16A or 32A
Frequency	50Hz or 60Hz
Output Voltage	230Vac ±10% or 400Vac±10%
Output Current	16A or 32A
Rated Power	7.4kW / 11kW / 22kW

User Interface & Control

LCD Display	4.3" Color Touch Screen(Optional)
User Authentication	RFID(ISO/IEC 14443) / APP
LED Indicator	Green/Blue/Red
Charger Connector	IEC 62196-2 Type 2 (SAEJ1772 Type 1 Optional)
Energy Measuring	Embedded meter, with 1% accuracy

Communication

Backend	Bluetooth / Wi-Fi (4G / Ethernet Optional)
Backend Protocol	OCPP 1.6 J (OCPP2.x Coming soon)

Protection

Residual Current Protection	Type A 30mA+DC 6mA
Electrical Protection	Over/Under Voltage Protection, Over Current Protection, Short Circuit Protection, Over Temperature Protection, Lightning Protection, Ground Fault, Surge Protection

Environmental

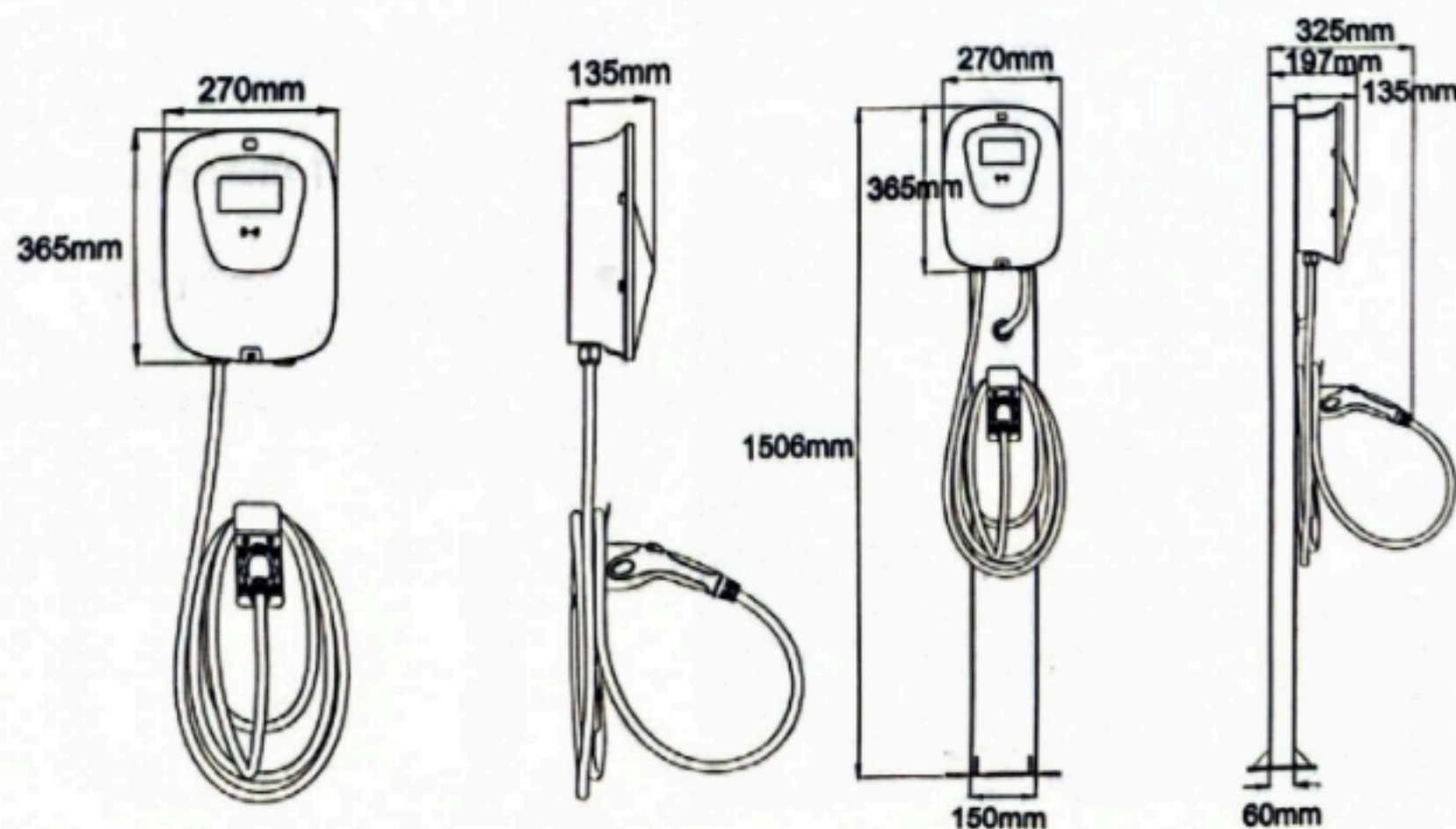
Operating Temperature	-30 °C - +50 °C
Storage Temperature	-40 °C - +85 °C
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	≤ 2000m
IP, IK Level	IP55, IK08
Cooling Method	Natural Cooling

Mechanical

Product Dimension	270mm*135mm*365mm(W*D*H)
Package Dimension	330mm*274mm*500mm(W*D*H)
Weight	5.6kg(Net) / 7.2kg(Gross)
Charging Cable Length	5m (Customizable)
Mounting	Wall-mount and Stand-mount

Certifications

Certificate	EN 61851-1 2019, IEC 62955 2018, IEC 61008-1 2010, IEC/EN 62196-1
Safety	TUV, CE



PEVC2201E 7kW/11kW/22kW

AC EV Charger Commercial Series

PEVC2201E is a high-standard EV Charger which has passed TUV standard tests.



Type2

Type1



- PEVC2201E has got the TUV certification
- Ideal choice for residential and commercial EV charging
- MID meter makes measurement precise
- Stylish, ergonomic and customizable design
- IP55 rated for indoor/outdoor applications
- Multiple protection to ensure users' safety
- Optional RFID/App etc. for user identification and management
- Charger Connector: SAE J1772 (Type 1)/IEC 62196-2 (Type 2)
- OCPP 1.6 JSON (Comply with latest OCPP protocol as SINO is the member of OCA)
- Optional wall-mount and stand-mount to save installation space for both indoor & outdoor applications

Applications

- Highway gas/service station
- Parking garage
- Commercial fleet operators
- EV dealer workshops
- EV infrastructure operators and service providers



Power Specifications

Input Connection	3-Phase : 3P+N+PE(Single-Phase Optional: 1P+N+PE)
Input Voltage	400Vac \pm 10% (230Vac \pm 10% Optional)
Input Current	16A or 32A
Frequency	50Hz or 60Hz
Output Voltage	400Vac \pm 10% (230Vac \pm 10% Optional)
Output Current	16A or 32A
Rated Power	11kW - 22kW (3.7kW - 7.4kW Optional)

User Interface & Control

LCD Display	4.3" Color Touch Screen(Optional)
User Authentication	RFID(ISO/IEC 14443) / APP
LED Indicator	Green/Blue/Red
Charger Connector	IEC 62196-2 Type 2 (SAEJ1772 Type 1 Optional)

MID Meter

Communication

Backend	Bluetooth / Wi-Fi / Ethernet (4G Optional)
Backend Protocol	OCPP 1.6 J (OCPP2.x Coming soon)

Protection

Residual Current Protection	Type A 30mA+DC 6mA
Electrical Protection	Over/Under Voltage Protection, Over Current Protection, Short Circuit Protection, Over Temperature Protection, Lightning Protection, Ground Fault, Surge Protection

Environmental

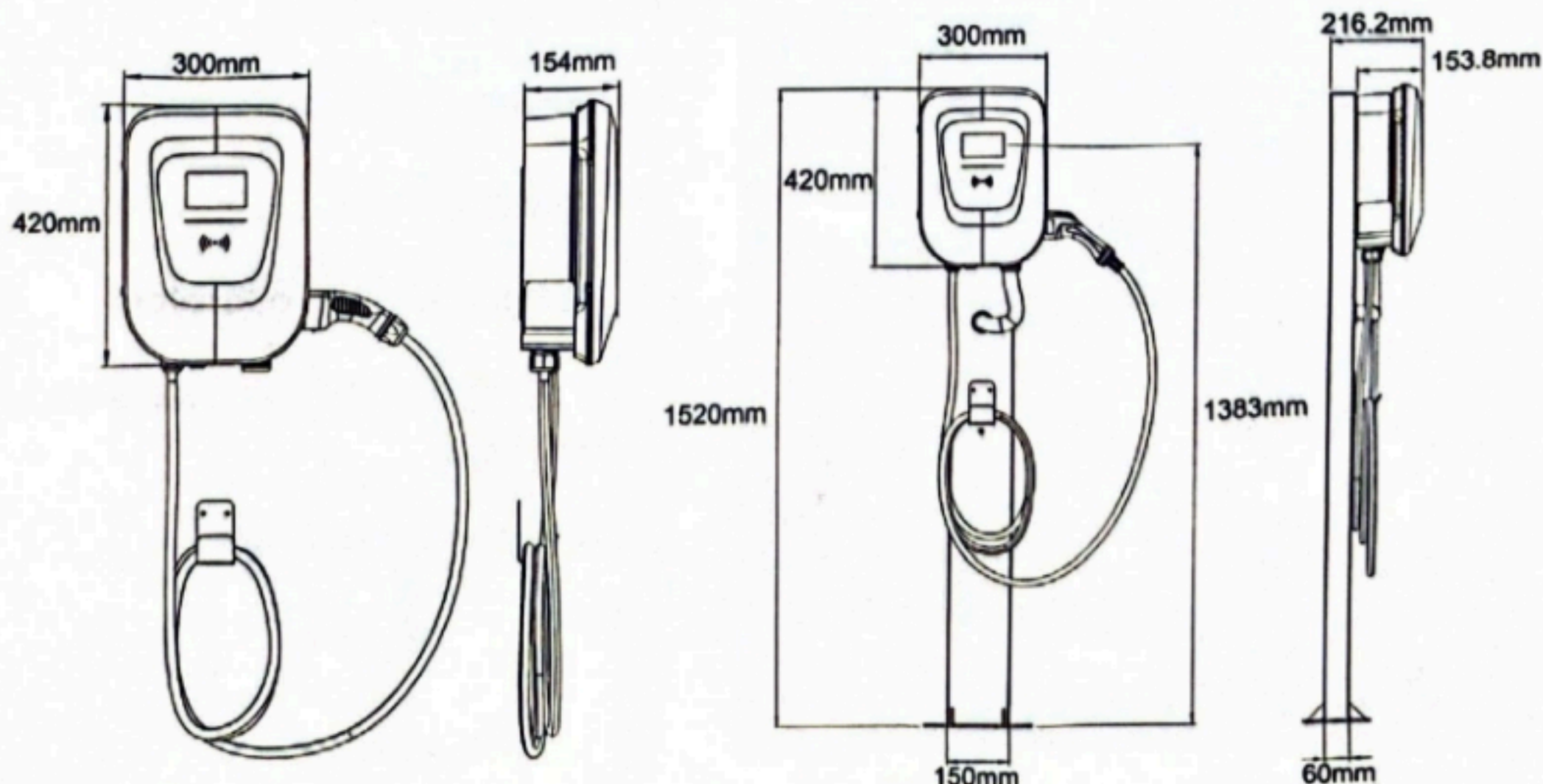
Operating Temperature	-30 °C - +50 °C
Storage Temperature	-40 °C - +85 °C
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	\leq 2000m
IP, IK Level	IP55, IK08
Cooling Method	Natural Cooling

Mechanical

Product Dimension	300mm*154mm*420mm(W*D*H)
Package Dimension	395mm*285mm*500mm(W*D*H)
Weight	5.9kg(Net) / 7.7kg(Gross)
Charging Cable Length	5m (Customizable)
Mounting	Wall-mount and Stand-mount

Certifications

Certificate	EN 61851-1 2019, IEC 62955 2018, IEC 61008-1 2010, IEC/EN 62196-1
Safety	TUV, CE



PEVC3401E (30kW)

Fast DC EV Charger

PEVC3401E is a space saving and high cost-effective DC Charger



CCS2

CCS1

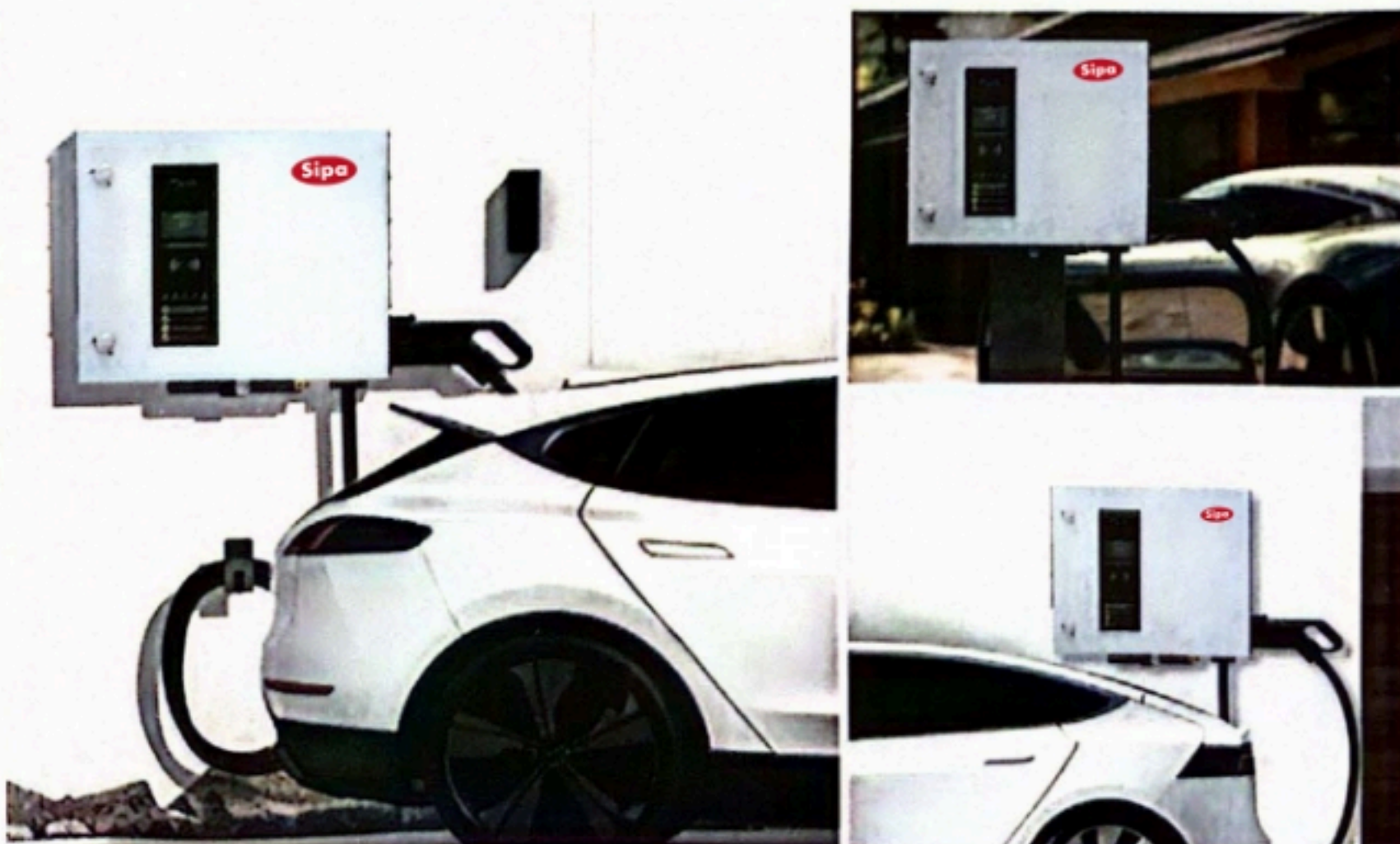
CHAdeMO



- Multi-standard: CCS1, CCS2, CHAdeMO
- Network or standalone operation
- Optional RFID/App etc. for user identification and management
- Support smart charging and load balancing
- Efficiency > 95%
- Power Factor ≥ 0.98
- Multiple protection to ensure users' safety
- 4.3 inches color touch screen with user friendly interface
- OCPP 1.6 JSON (Comply with latest OCPP protocol as SINO is the member of OCA)
- IK10& IP54
- Customization available
- Optional wall-mount and stand-mount to save installation space for both indoor & outdoor applications

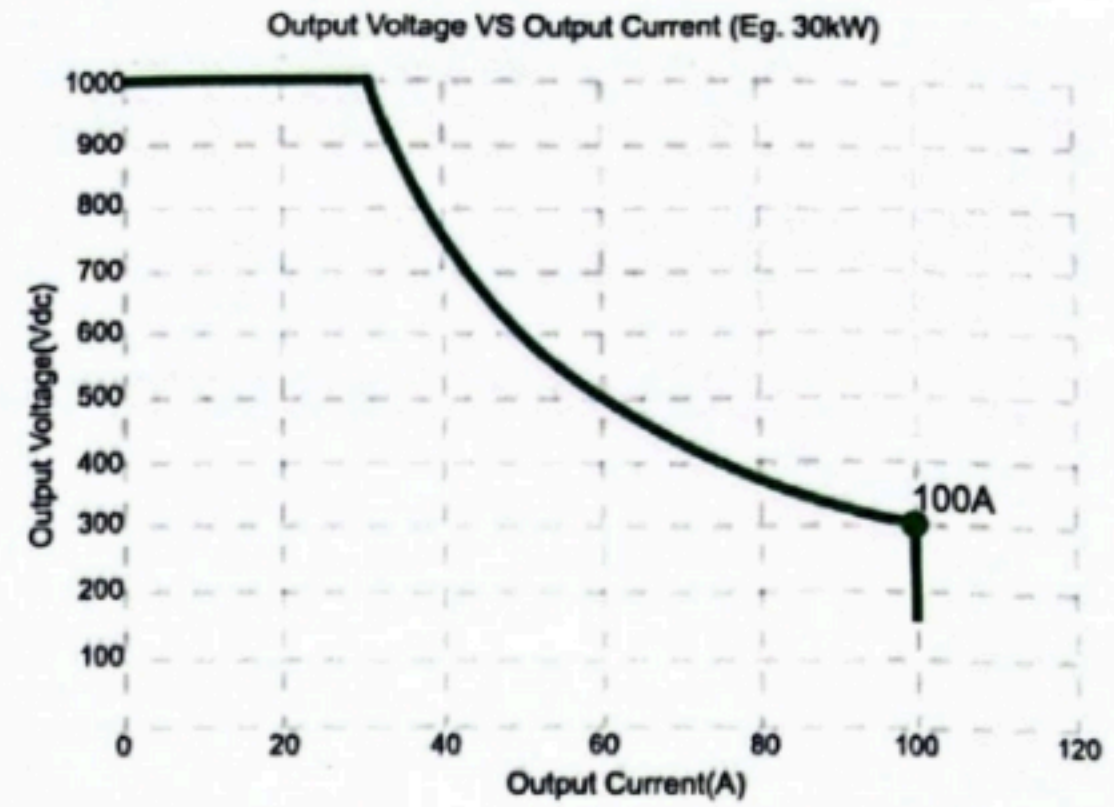
Applications

- Highway gas/service station
- Parking garage
- Commercial fleet operators
- EV infrastructure operators and service providers
- EV dealer workshops



Power Specifications

Input Connection	3-Phase : 3P+N+PE
Input Voltage	400Vac \pm 10%
Frequency	50Hz or 60Hz
THDi	\leq 5%
Power Factor	\geq 0.98
Output Voltage	150Vdc - 1000Vdc
Max. Output Current	100A(125A CHAdeMO)
Rated Power	30kW



User Interface & Control

LCD Display	4.3" Color Touch Screen
User Authentication	RFID(ISO/IEC 14443)(APP/ Credit Card Customization)
LED Indicator	Green/Blue/Red
Charger Connector	CCS2 (CCS1 / CHAdeMO Optional)
Energy Measuring	DC meter, with 1% accuracy

Communication

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

Protection

Residual Current Device	Yes
Internal Fuse	Yes
Electrical Protection	Over/Under Voltage Protection, Over Current Protection, Short Circuit Protection, Over/Under Temperature Protection, Lightning Protection, Ground Fault, Surge Protection

Environmental

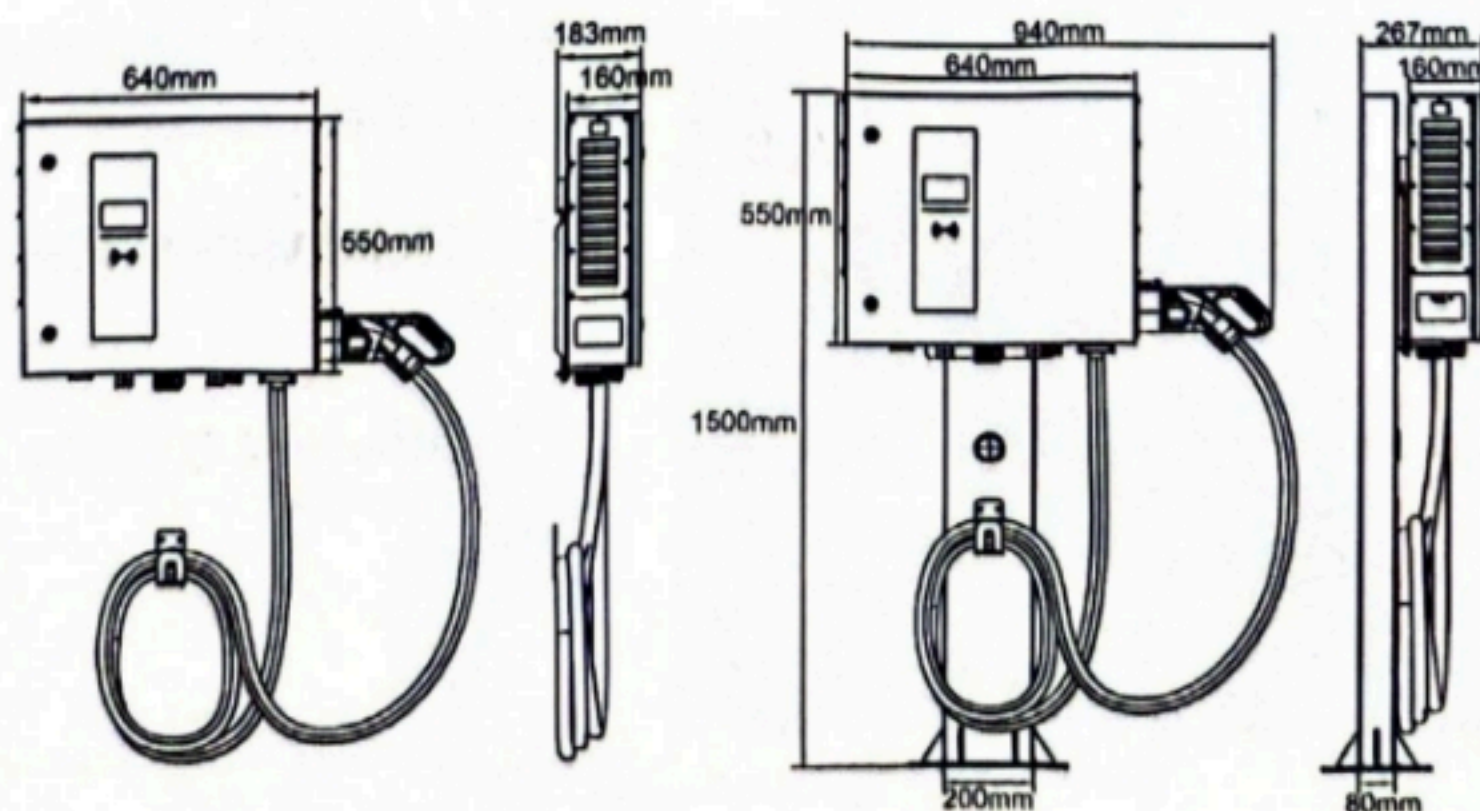
Operating Temperature	-30 $^{\circ}$ C - +50 $^{\circ}$ C
Storage Temperature	-40 $^{\circ}$ C - +75 $^{\circ}$ C
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	\leq 2000m
IP, IK Level	IP54, IK10
Cooling Method	Fan Cooling

Mechanical

Product Dimension	640mm*160mm*550mm(W*D*H)
Package Dimension	808mm*438mm*748mm(W*D*H)
Charging Cable Length	5m (Customizable)
Weight	80kg(Net) / 85.7kg(Gross)
Mounting	Wall-mount and Stand-mount

Certifications

Certificate	IEC62196-1, IEC62196-3, IEC 61851-1, IEC61851-23, IEC61851-24
Safety	CE



PEVC3106E (60kW)

Fast DC Charger

PEVC3106E is high efficient but thinner than common EV DC charger



CCS2

CCS1

CHAdeMO



- Multi-standard: CCS1, CCS2, CHAdeMO
- Network or standalone operation
- Optional RFID/App etc. for user identification and management
- Support smart charging and load balancing
- Efficiency > 95%, Power Factor ≥ 0.98
- Multiple protection to ensure users' safety
- 7 inches color touch screen with user friendly interface
- OCPP 1.6 JSON (Comply with latest OCPP protocol as SINO is the member of OCA)
- IK10& IP54, for indoor and outdoor applications
- Customization available

Applications

- EV bus station
- Highway gas/service station
- Parking garage
- Commercial fleet operators
- EV infrastructure operators and service providers
- EV dealer workshops



Power Specifications

Input Connection	3-Phase : 3P+N+PE
Input Voltage	400Vac ±10%
Frequency	50Hz or 60Hz
THDi	≤5%
Power Factor	≥0.98
Output Voltage	150Vdc - 1000Vdc
Max. Output Current	200A (250A Optional)
Rated Power	60kW

User Interface & Control

LCD Display	7" Color Touch Screen(12" Customization)
User Authentication	RFID(ISO/IEC 14443)(APP/ Credit Card Customization)
LED Indicator	Green/Blue/Red
Charger Connector	CCS2 (CCS1 / CHAdeMO Optional)
Number of Charging Interface	1 or 2
Energy Measuring	DC meter, with 1% accuracy

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
Internal Fuse	Yes
Electrical Protection	Over/Under Voltage Protection, Over Current Protection, Short Circuit Protection, Over/Under Temperature Protection, Lightning Protection, Ground Fault, Surge Protection

Environmental

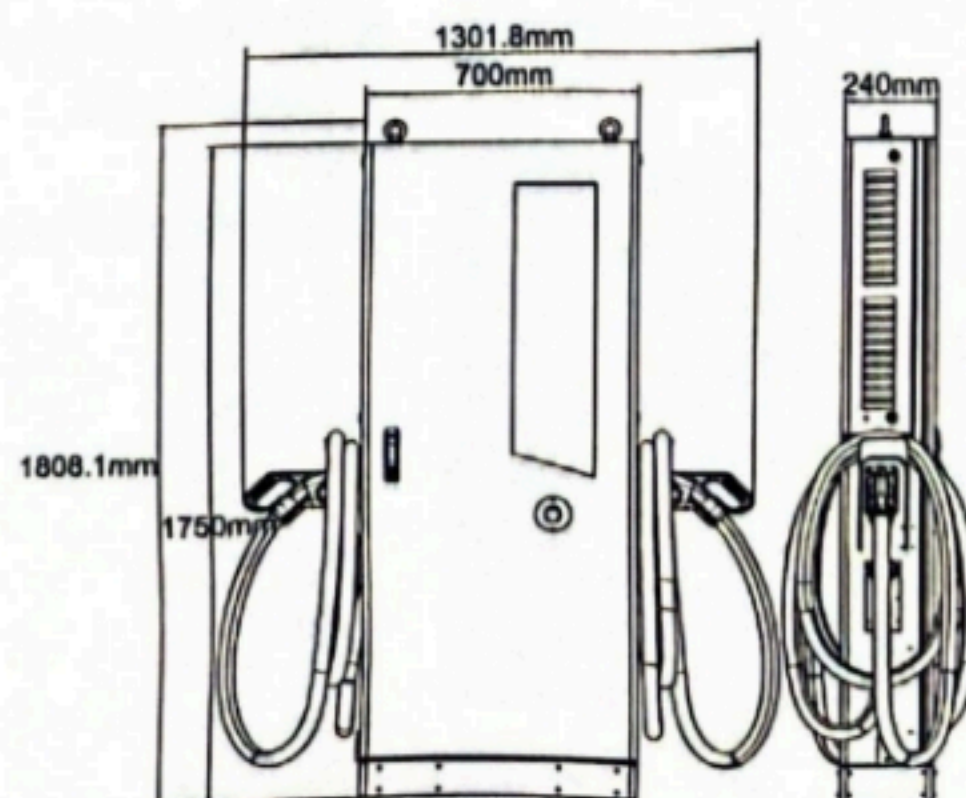
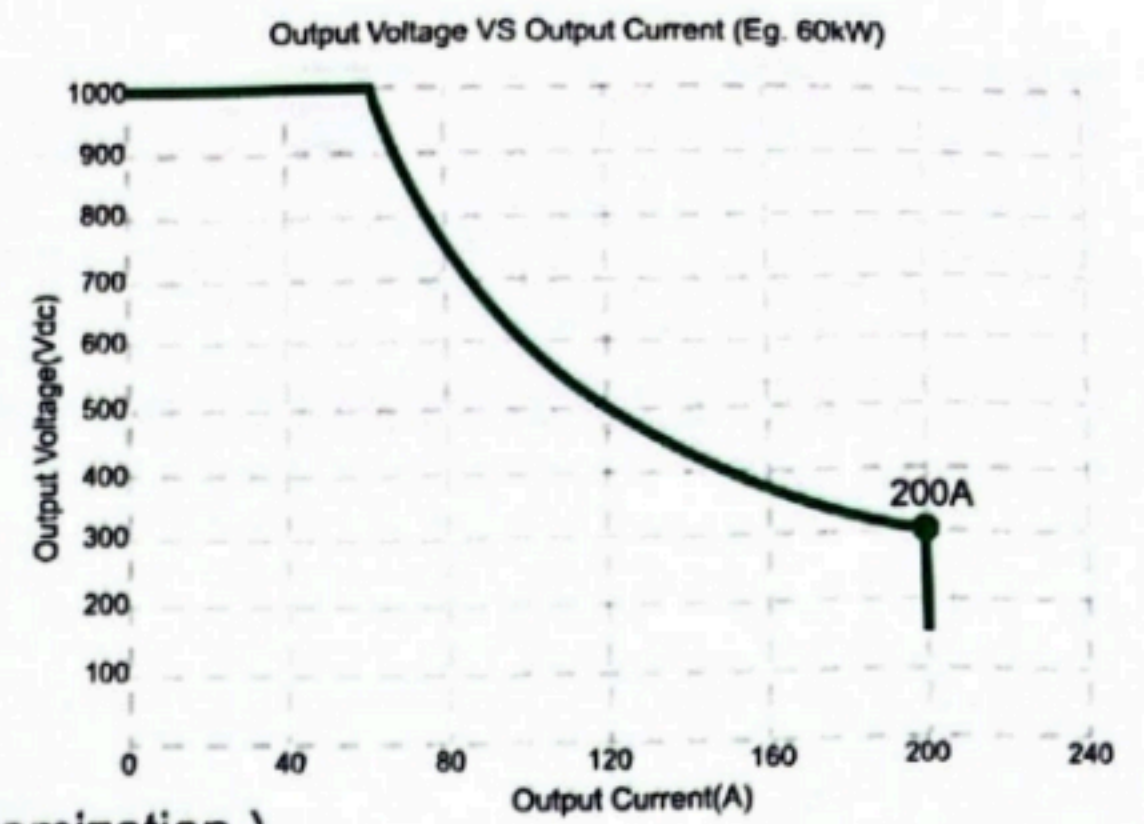
Operating Temperature	-30 °C - +50 °C
Storage Temperature	-40 °C - +75 °C
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	≤ 2000m
IP, IK Level	IP54, IK10
Cooling Method	Fan Cooling

Mechanical

Product Dimension	700mm*240mm*1750mm(W*D*H)
Package Dimension	1100mm*750mm*1890mm(W*D*H)
Charging Cable Length	5m (Customizable)
Weight	220kg(Net) / 230kg(Gross)
Mounting	Free Standing

Certifications

Certificate	IEC62196-1, IEC62196-3, IEC 61851-1, IEC61851-23, IEC61851-24
Safety	CE



PEVC3107E (60kW - 160kW)

Ultra Fast DC Charger

PEVC3107E is up to 160kW output with CE certifications.



CCS2

CCS1

CHAdeMO



- Multi-standard: CCS1, CCS2, CHAdeMO
- Network or standalone operation
- Optional RFID/App etc. for user identification and management
- Support smart charging and load balancing
- Efficiency > 95%, Power Factor ≥ 0.98
- Multiple protection to ensure users' safety
- 7 inches color touch screen with user friendly interface
- OCPP 1.6 JSON (Comply with latest OCPP protocol as SINO is the member of OCA)
- IK10& IP54, for indoor and outdoor applications
- Customization available

Applications

- EV bus station
- Highway gas/service station
- Parking garage
- Commercial fleet operators
- EV infrastructure operators and service providers
- EV dealer workshops



Power Specifications

Input Connection	3-Phase : 3P+N+PE
Input Voltage	400Vac \pm 10%
Frequency	50Hz or 60Hz
THDi	\leq 5%
Power Factor	\geq 0.98
Output Voltage	150Vdc - 1000Vdc
Max. Output Current	200A (250A Optional)
Rated Power	60kW - 160kW

User Interface & Control

LCD Display	7" Color Touch Screen(12" Customization)
User Authentication	RFID(ISO/IEC 14443)(APP/ Credit Card Customization)
LED Indicator	Green/Blue/Red
Charger Connector	CCS2 (CCS1 / CHAdeMO Optional)
Number of Charging Interface	1 or 2
Energy Measuring	DC meter, with 1% accuracy

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
Internal Fuse	Yes
Electrical Protection	Over/Under Voltage Protection, Over Current Protection, Short Circuit Protection, Over Temperature Protection, Lightning Protection, Ground Fault, Surge Protection

Environmental

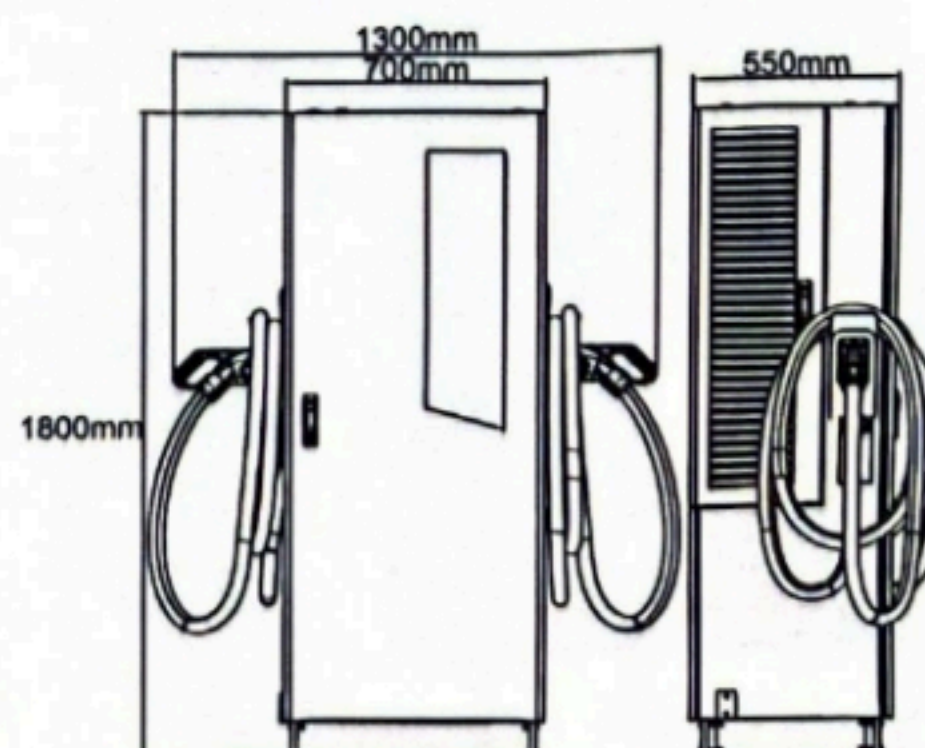
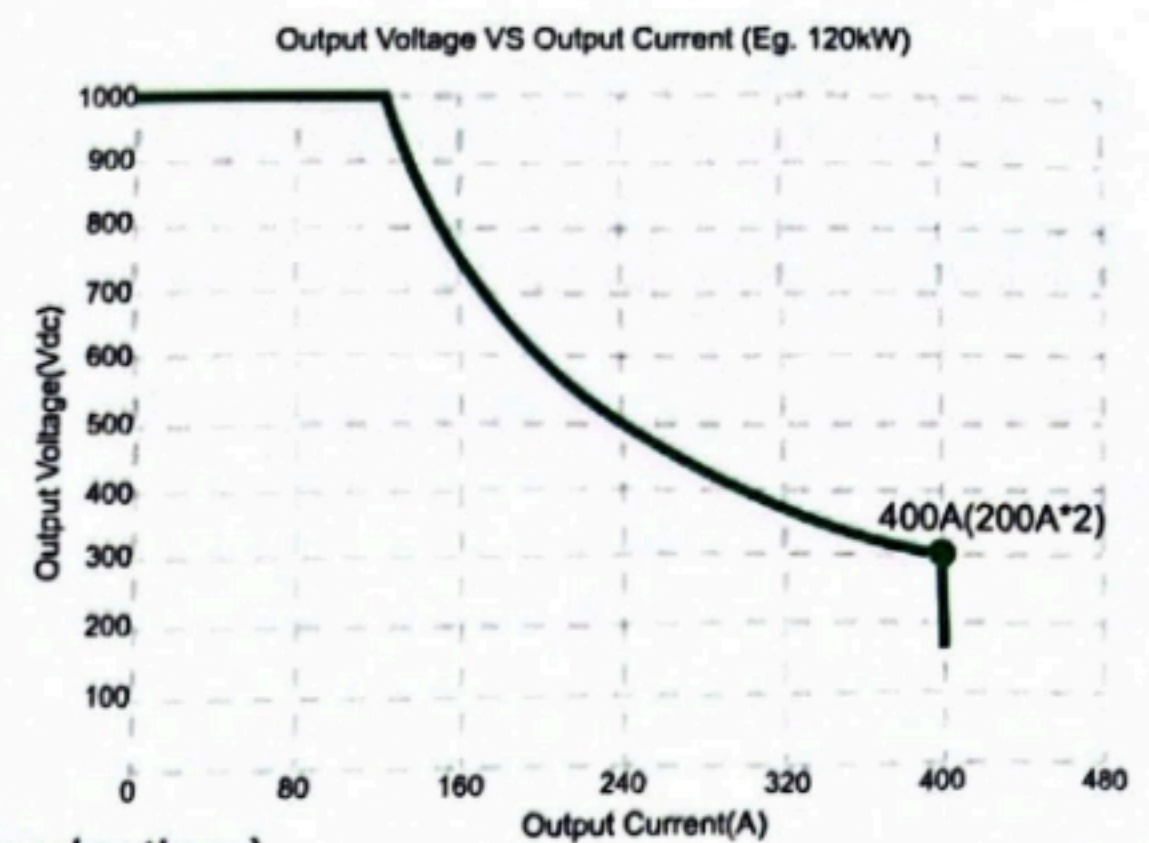
Operating Temperature	-30 $^{\circ}$ C - +50 $^{\circ}$ C
Storage Temperature	-40 $^{\circ}$ C - +75 $^{\circ}$ C
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	\leq 2000m
IP, IK Level	IP54, IK10
Cooling Method	Fan Cooling

Mechanical

Product Dimension	700mm*550mm*1800mm(W*D*H)
Package Dimension	950mm*720mm*1950mm(W*D*H)
Charging Cable Length	5m (Customizable)
Weight	363kg(Net) / 380kg(Gross)
Mounting	Free Standing

Certifications

Certificate	IEC62196-1, IEC62196-3, IEC 61851-1, IEC61851-23, IEC61851-24
Safety	CE



PEVC3108E (120kW - 240kW)

Ultra Fast DC Charger

PEVC3108E series is up to 240kW output with CE and TUV certifications.



CCS2

CCS1

CHAdeMO



- Multi-standard: CCS1, CCS2, CHAdeMO
- Network or standalone operation
- Optional RFID/App etc. for user identification and management
- Support smart charging and load balancing
- Efficiency > 95%, Power Factor ≥ 0.98
- Multiple protection to ensure users' safety
- 7 inches color touchscreen with user friendly interface
- OCPP 1.6 JSON (Comply with latest OCPP protocol as SINO is the member of OCA)
- IK10& IP54, for indoor and outdoor applications
- Customization available

Applications

- EV bus station
- Highway gas/service station
- Parking garage
- Commercial fleet operators
- EV infrastructure operators and service providers
- EV dealer workshops



Power Specifications

Input Connection	3-Phase : 3P+N+PE
Input Voltage	400Vac \pm 10%
Frequency	50Hz or 60Hz
THDi	\leq 5%
Power Factor	\geq 0.98
Output Voltage	150Vdc - 1000Vdc
Max. Output Current	200A (250A Optional)
Rated Power	120kW - 240kW

User Interface & Control

LCD Display	7" Color Touch Screen(12" Customization)
User Authentication	RFID(ISO/IEC 14443)(APP/ Credit Card Customization)
LED Indicator	Green/Blue/Red
Charger Connector	CCS2 (CCS1 / CHAdeMO Optional)
Number of Charging Interface	1 or 2
Energy Measuring	DC meter, with 1% accuracy

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
Internal Fuse	Yes
Electrical Protection	Over/Under Voltage Protection, Over Current Protection, Short Circuit Protection, Over Temperature Protection, Lightning Protection, Ground Fault, Surge Protection

Environmental

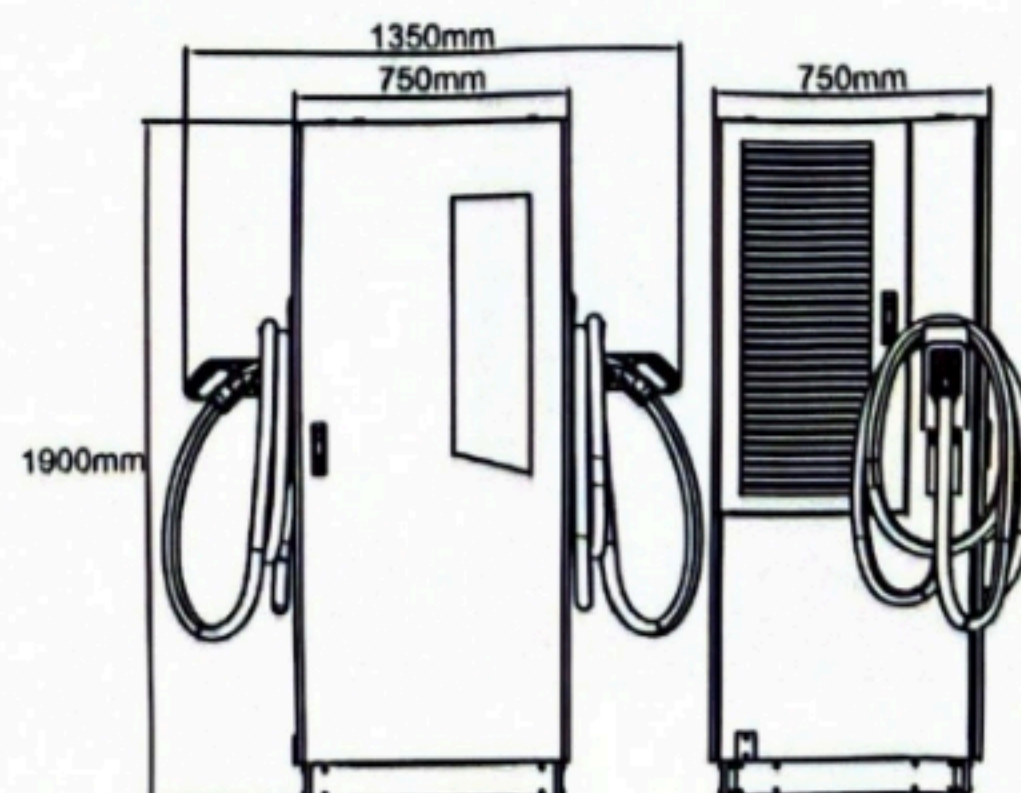
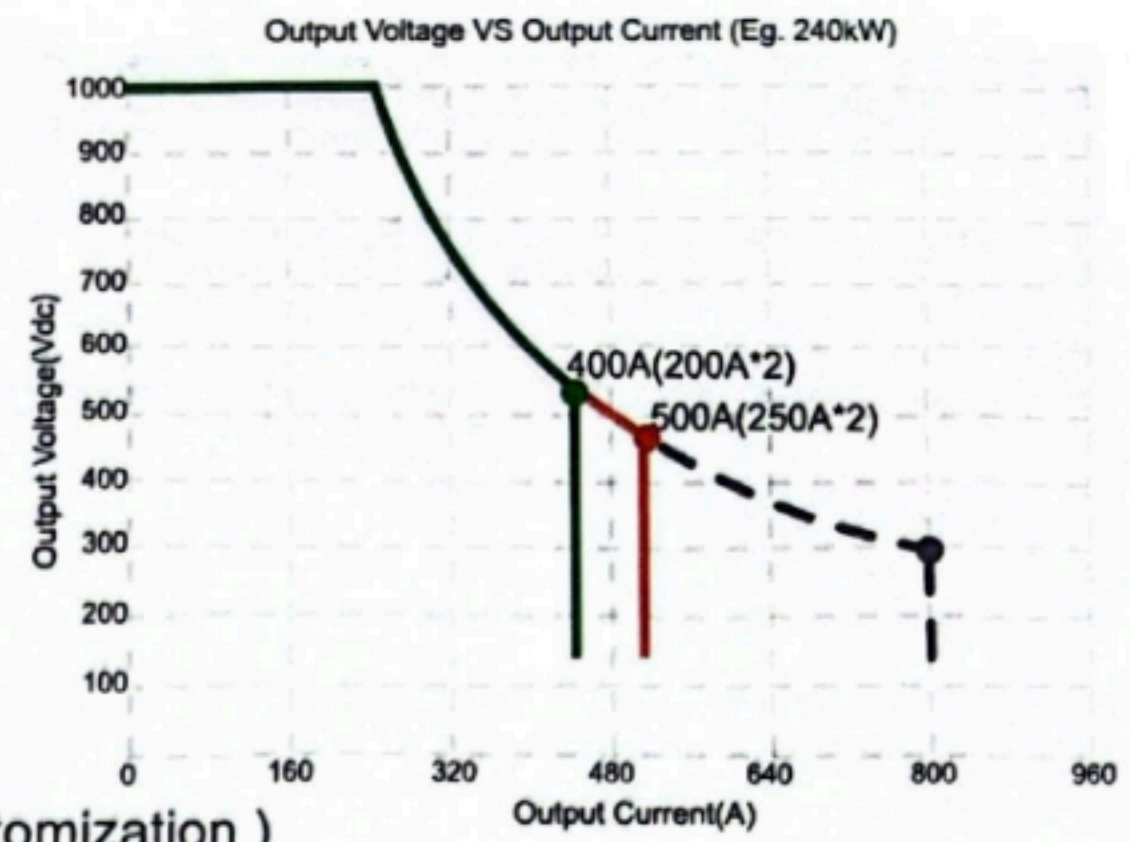
Operating Temperature	-30 $^{\circ}$ C - +50 $^{\circ}$ C
Storage Temperature	-40 $^{\circ}$ C - +75 $^{\circ}$ C
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	\leq 2000m
IP, IK Level	IP54, IK10
Cooling Method	Fan Cooling

Mechanical

Product Dimension	750mm*750mm*1900mm(W*D*H)
Package Dimension	1000mm*920mm*2050mm(W*D*H)
Charging Cable Length	5m (Customizable)
Weight	411kg(Net) / 428kg(Gross)
Mounting	Free Standing

Certifications

Certificate	IEC62196-1, IEC62196-3, IEC 61851-1, IEC61851-23, IEC61851-24
Safety	TUV, CE, CB



PEVC3302E (240kW/360kW/480kW)

Dynamic Split Charging System

Efficient, flexible, fast, and quiet split charging station



CCS2

CCS1

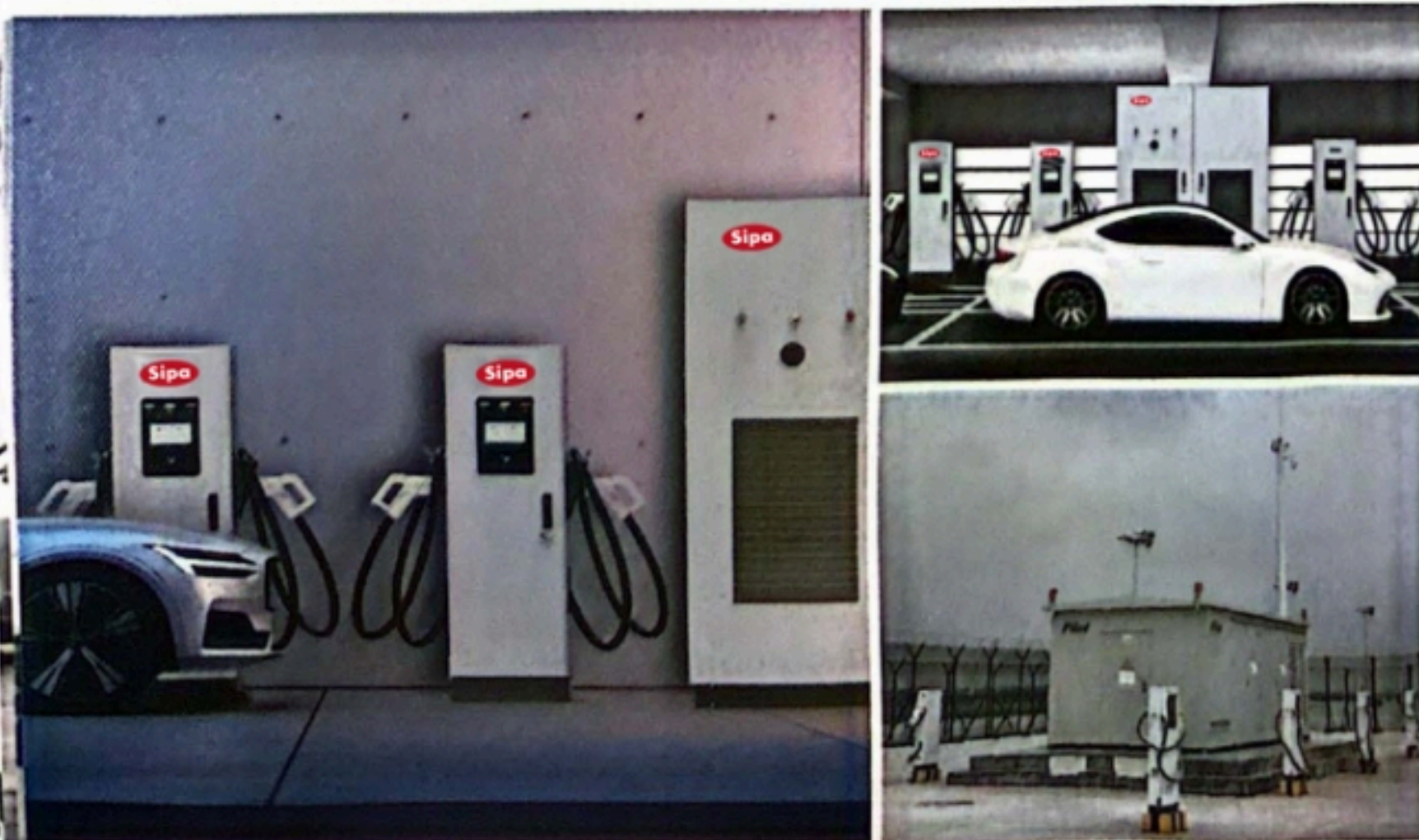
CHAdeMO



- Supports full flexible dynamic allocation, maximizing the efficiency of power module utilization.
- Supports Boost Mode, enabling higher charging efficiency.
- Supports liquid-cooled charging gun, allowing for faster charging speeds.
- Keeps noise away from vehicle users.

Applications

- EV bus station
- Highway gas/service station
- Parking garage
- Commercial fleet operators
- EV infrastructure operators and service providers
- EV dealer workshops



General electric specifications

DC charging plug options	CCS2 (CCS1 / CHAdeMO Optional)
Voltage	Max. 1000 VDC
Standby power	25 W

Environmental specifications

Operating Temperature	-30 °C - +50 °C
Storage Temperature	-40 °C - +75 °C
Operating Humidity	5%-95% RH, Non-Condensing
Operating Altitude	≤ 2000m
IP, IK Level	IP54, IK10
Lightning protection	Level C

Connections

Backend	Ethernet (4G Optional)
Charging Protoco	ISO 15118 , DIN 70121
OCPP	OCPP 1.6 J (OCPP2.x Coming soon)
Electrical protections	Charging cable temperature monitoring, Earth leakage monitoring

Compliance to standards

Electrical safety	IEC 61851-1, IEC 61851-23
EMC, Harmonics	IEC 61851-21-2

Charging Outputs	Connect or Liquid or Air	Charging Current	Output Mode	Charging Power
4*CCS2	Air Cool	4*250A	Continuous Mode	480kW Max
8*CCS2	Air Cool	8*250A	Continuous Mode	480kW Max
4*CCS2	Air Cool	4*350A	Boost Mode 10 min	480kW Max
8*CCS2	Air Cool	8*350A	Boost Mode 10 min	480kW Max
4*CCS2	Liquid Cool	4*500A	Continuous Mode	480kW Max
8*CCS2	Liquid Cool	8*500A	Continuous Mode	480kW Max

System Solution

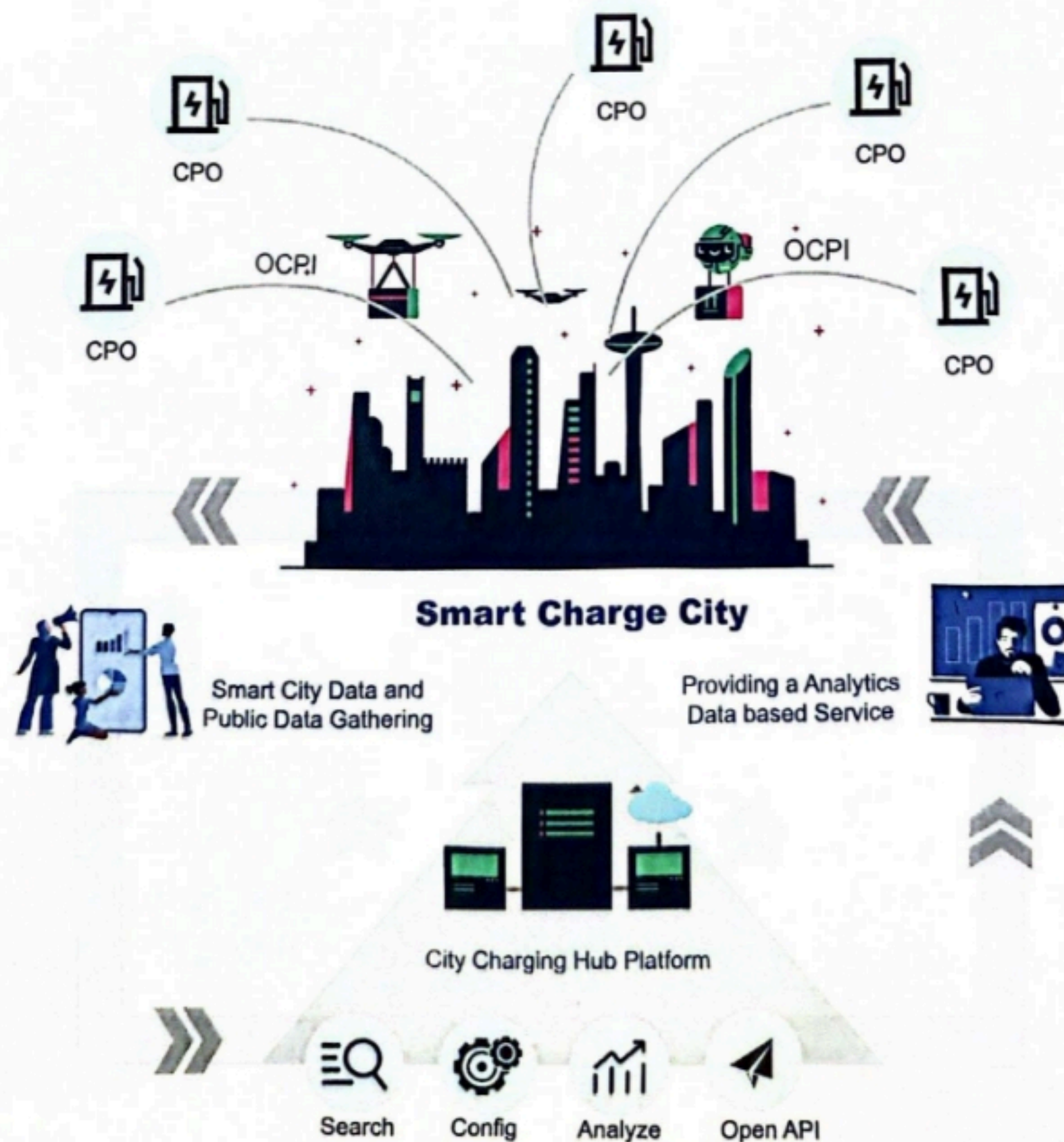
EV charging management system

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

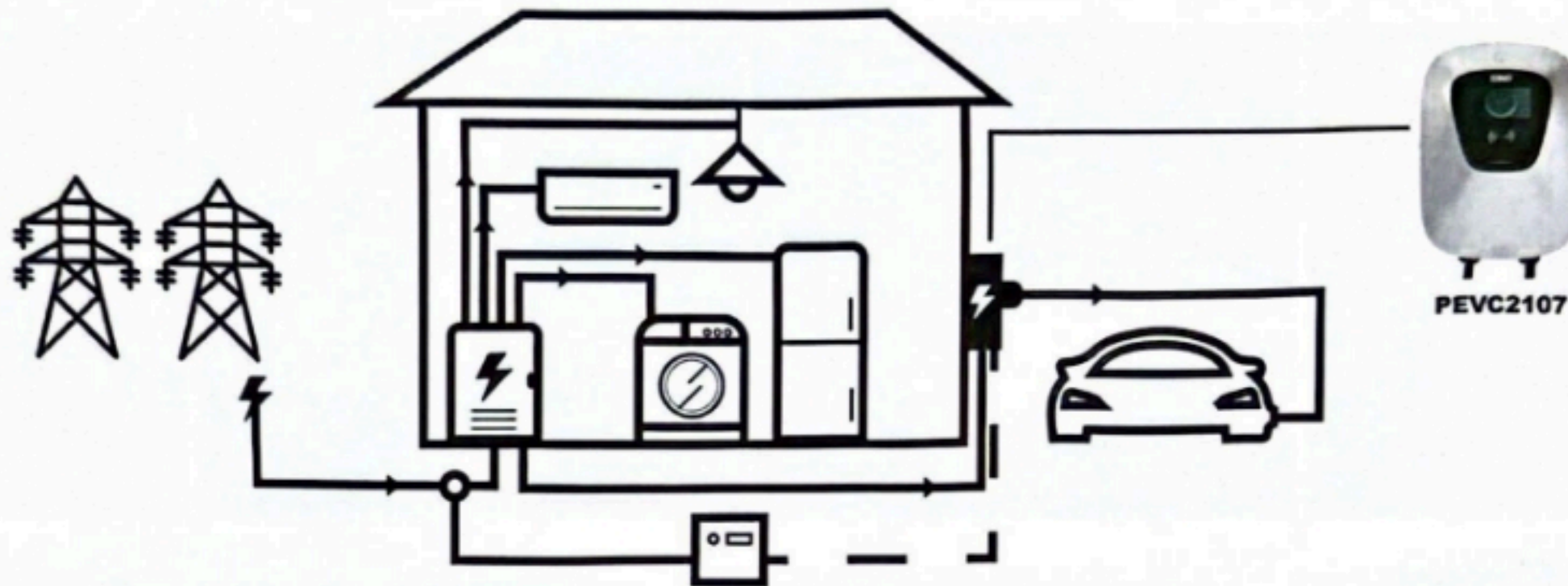
The charging operation management system cloud platform is a new generation of charging cloud multi-user management platform of Pilot Technology. It adopts a scalable and highly available distributed system with micro-service architecture, supports distributed massive storage, and adopts a high fault 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 families 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 - Domestic

High-way Station



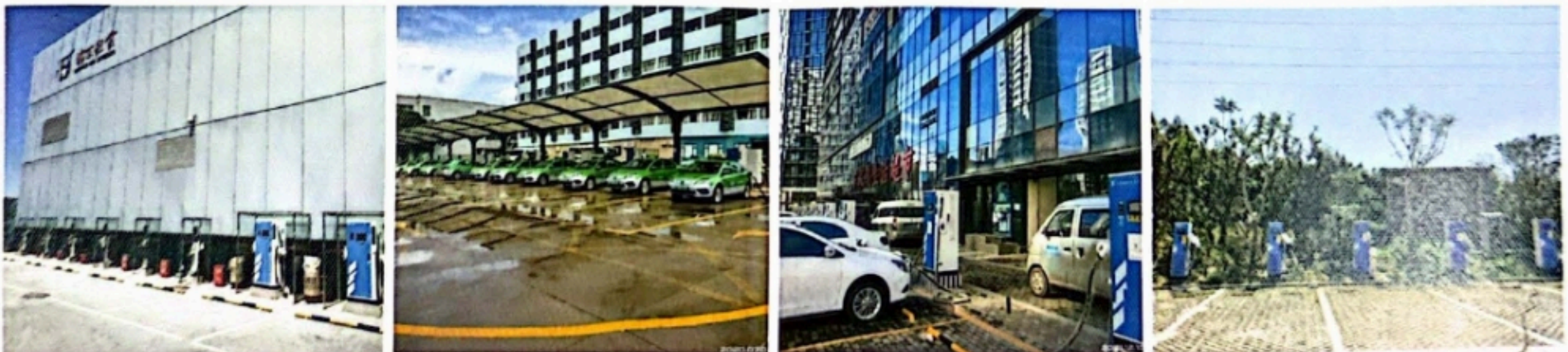
Business Project



Government Project



Supermarket Project



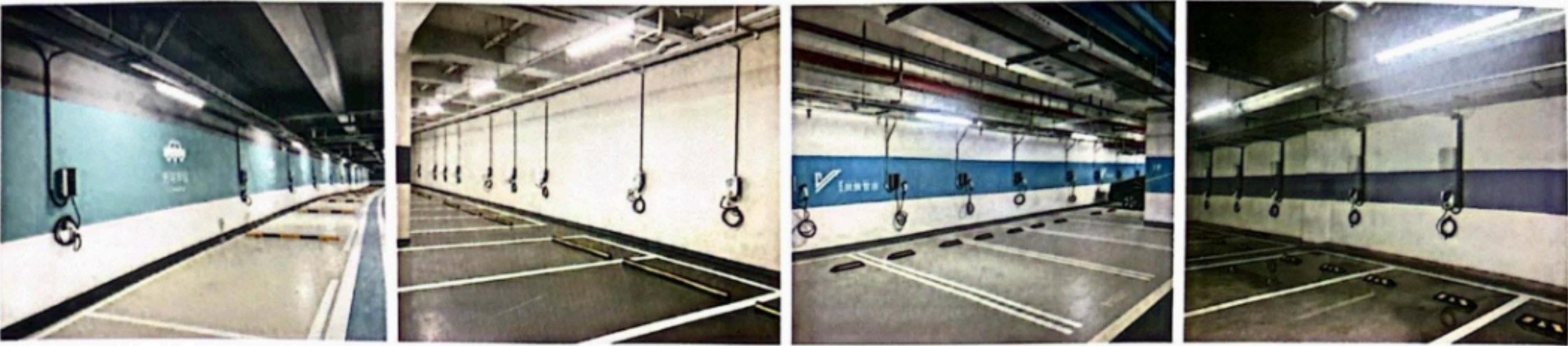
Office Building Project



Super Power Project



Indoor Parking Lot



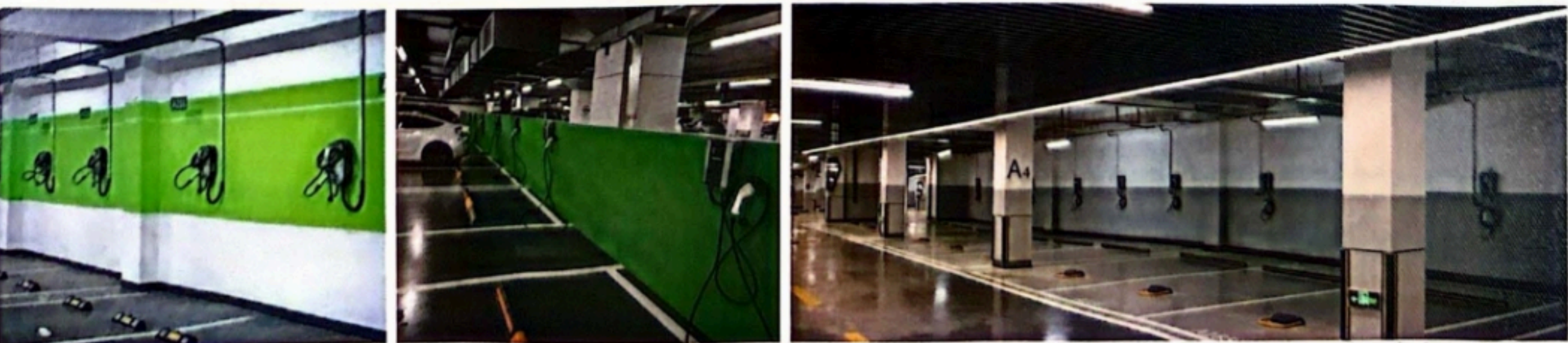
Outdoor Parking Lot



Commercial Project



Residential Project



Application Cases - Overseas

Total Power of EVSEs
950,000+
kW

CMS Charging Orders
2,200,000+

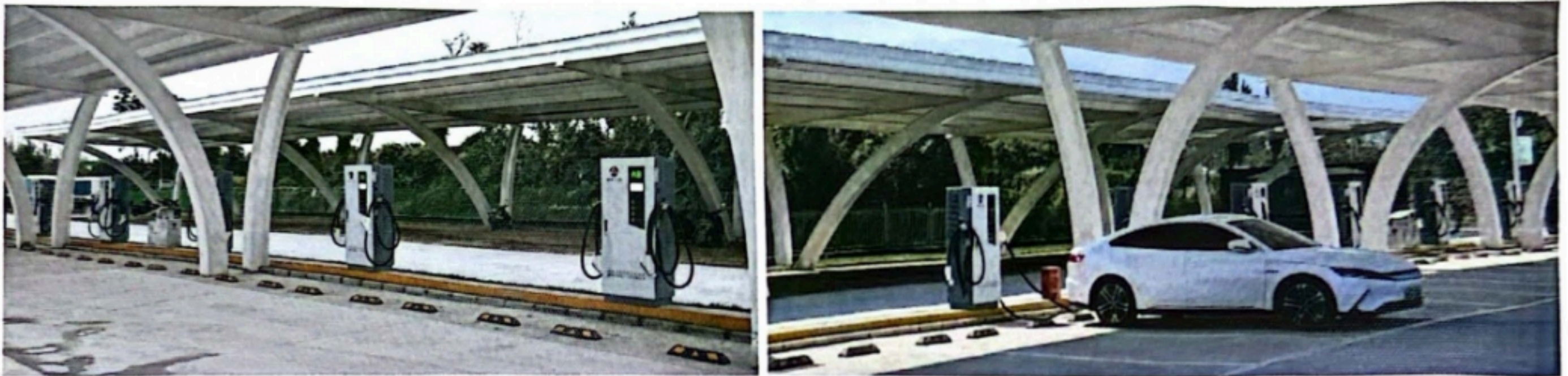
Total Num. of EVSEs
80,000+
AC: 70,000+ , DC: 10,000+

CMS Charging Time
2,900,000+
hour

Business Project



EV Manufacturer



ODM Project



High-way Station



Government Project
100+

Residential Building
1500+

Transportation
300+

Commercial Building
1000+

Public Building
500+

Business Project
500+

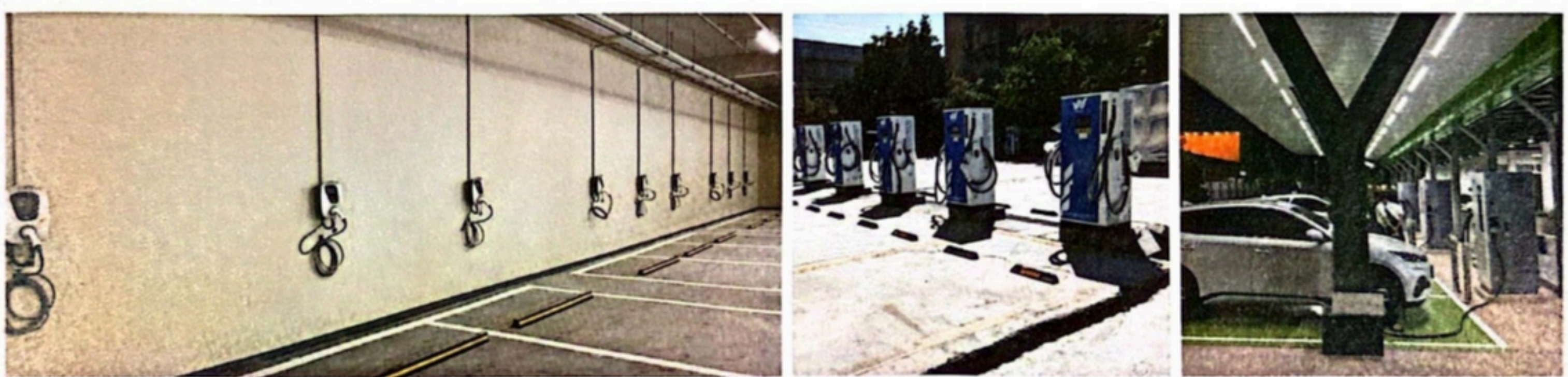
Tourist Station



Bus Station



Parking Lot



Public Transport Station





Better Charging for Better Life



H O R I Z O N

<https://horizonmotor.com/>