SINO

EV Charging Solution

Better Charging for Better Life

ZHUHAI SINO ENERGY TECHNOLOGY CO., LTD.

SINO

www.sinoevse.com

Contents

Introduction

SINO 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 85+ countries, and we remain dedicated to creating maximum value for our customers.

Key Milestones

2000 — Focusing on intelligent power meters, Pilot company was founded and standed on the top echelon soon in the global market.

2004 — PILOT's brand influence grew as more products were applied worldwide, especially in Europe and Southeast Asia.

2006 — Born as a subsidiary of PILOT, SINO ENERGY explored charging infrastructure solutions for smarter e-mobility.

2011 — Released the 1st generation 7KW AC EV chargers, which were widely used in the market.

2014 — Pilot company was listed. Stock code: 831175.

2016 — 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.

2018

Released SINO ENERGY Fast EV charging stations covering ranges of 15kW to 180kW.

2019

Launched European Standard AC EV chargers which passed CE certification.

2020

50,000+ SINO ENERGY EV charging stations have been successfully utilized in China.

2022

SINO ENERGY expanded business to over 50 countries and became a member of OCA.

2023

New Automatic Factory established
PILOT Successful IPO
Stock code:831175

Company Qualifications

ATF16949

ISO9001

ISO14000

ISO45000

OCA
Members

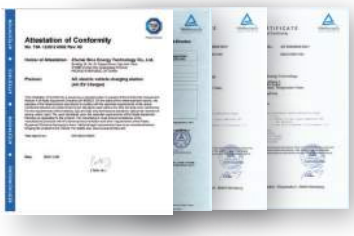
AAA Credit Rating
Certification

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

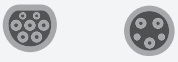
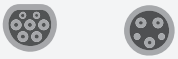
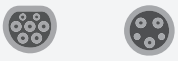
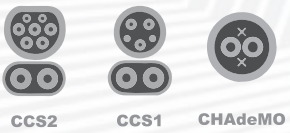
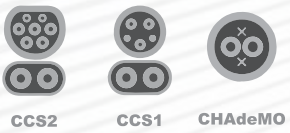
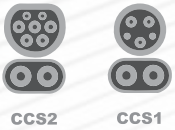
	Rated Power	Output Current	Output Voltage	Charge Plug
	7kW	32A	220V	GB/T AC
	7kW	32A	220V	GB/T AC
	14kW	32A	220V	GB/T AC
	40kW	133A	1000V	GB/T DC
	80kW	200A	1000V	GB/T DC
	160kW	250A	1000V	GB/T DC
	240kW	250A	1000V	GB/T DC
	480kW	250A	1000V	GB/T DC
	1000kVA	630A	10kV	

Business

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

Overseas Products

Home

	Rated Power	Output Current	Output Voltage	Charger Connector
 PEVC2108E	7kW (11kW/22kW)	16A 32A	230V 400V	 Type2 Type1
 PEVC2107E	7kW/11kW/ 22kW	16A 32A	230V 400V	 Type2 Type1
 PEVC2201E	11kW/22kW (7kW)	16A 32A	230V 400V	 Type2 Type1
 PEVC3401E	30kW 30kW	100A	1000V	 CCS2 CCS1 CHAdeMO
 PEVC3106E	60kW 30kW	200A	1000V	 CCS2 CCS1 CHAdeMO
 PEVC3107E	120kW/160kW 30kW 20kW(Optional)	200A 250A(Optional)	1000V	 CCS2 CCS1 CHAdeMO
 PEVC3108E	180kW/240kW 30kW	200A 250A(Optional)	1000V	 CCS2 CCS1 CHAdeMO
 PEVC3302E	360kW/480kW 30kW	250A 500A(Optional)	1000V	 CCS2 CCS1

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
- IP65 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 ±10% （ 400Vac±10% Optional ）
Input Current	16A or 32A
Frequency	50Hz or 60Hz
Output Voltage	230Vac ±10% （ 400Vac±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

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

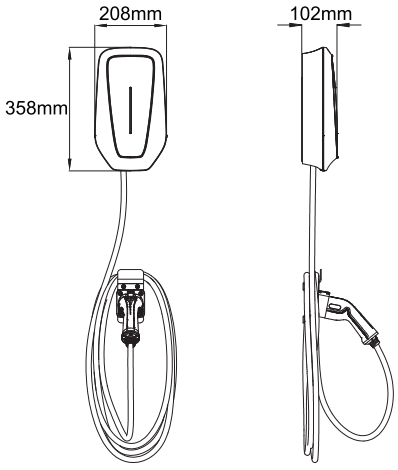
Operating Temperature	-30℃ - +50℃
Storage Temperature	-40℃ - +85℃
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	≤ 2000m
IP, IK Level	IP65, IK08
Cooling Method	Natural Cooling

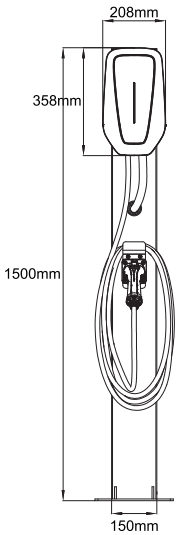
Mechanical

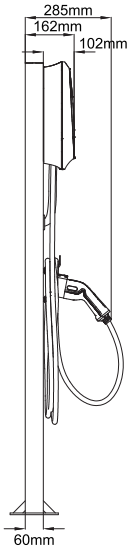
Product Dimension	208mm*358mm*102mm(W*D*H)
Package Dimension	270mm*420mm*220mm(W*D*H)
Weight	3.3kg(Net) / 4kg(Gross)
Charging Cable Length	5m (Customizable)
Mounting	Wall-mount and Stand-mount

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.

- 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

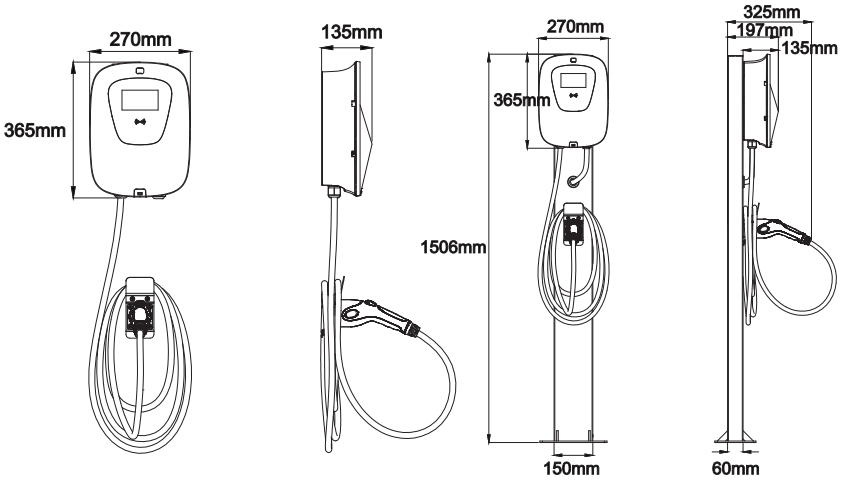
Operating Temperature	-30℃ - +50℃
Storage Temperature	-40℃ - +85℃
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	≤ 2000m
IP, IK Level	IP55, IK08
Cooling Method	Natural Cooling

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.

- 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 ±10% （ 230Vac±10% Optional ）
Input Current	16A or 32A
Frequency	50Hz or 60Hz
Output Voltage	400Vac ±10% （ 230Vac±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)
Energy Measuring	**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

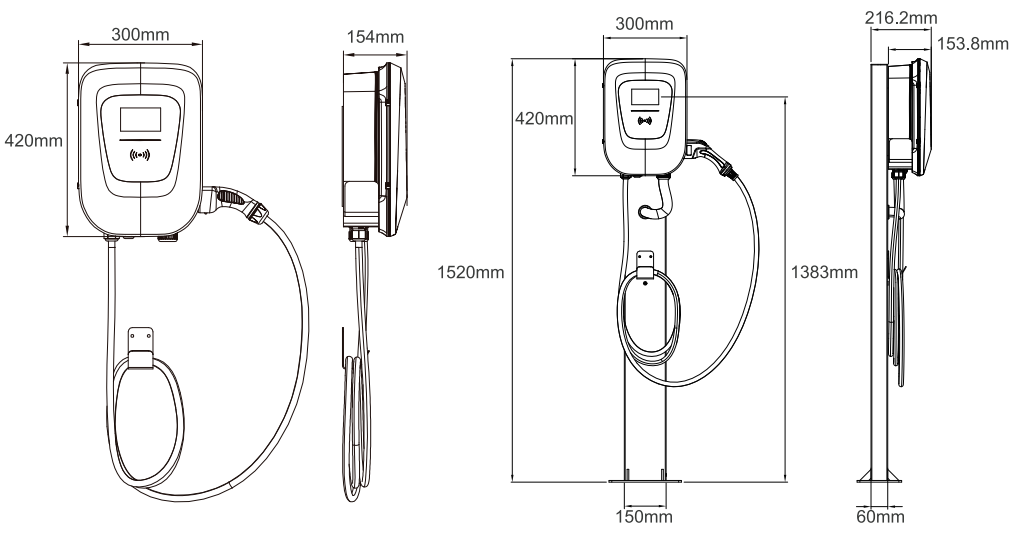
Operating Temperature	-30℃ - +50℃
Storage Temperature	-40℃ - +85℃
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	≤ 2000m
IP, IK Level	IP55, IK08
Cooling Method	Natural Cooling

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

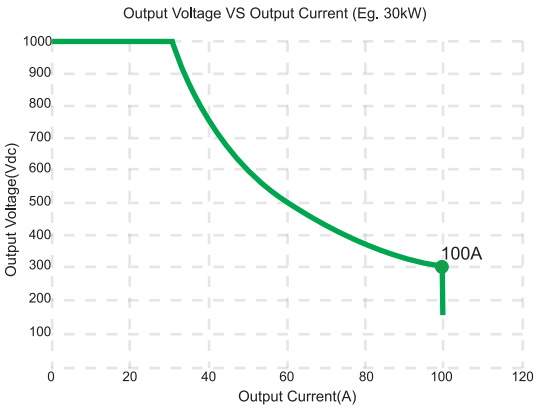
- Multi-standard: CCS1, CCS2, CHAdeMO
- Network or standalone operation
- Optional RFID/App etc. for user identification and management
- Efficiency > 95%
- Power Factor ≥ 0.98
- Multiple protection to ensure users' safety
- 4.3 inch color touch screen with user friendly interface
- OCPP 1.6 JSON (Comply 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 ±10%
Frequency	50Hz or 60Hz
THDi	≤5%
Power Factor	≥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

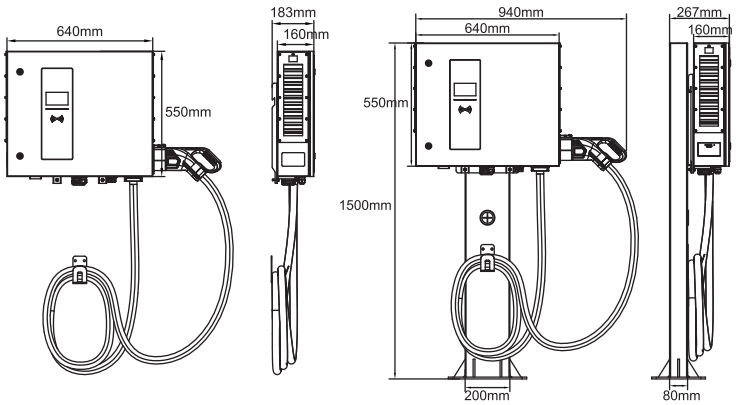
Operating Temperature	-30℃ - +50℃
Storage Temperature	-40℃ - +75℃
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	≤ 2000m
IP, IK Level	IP54, IK10
Cooling Method	Fan Cooling

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

CE

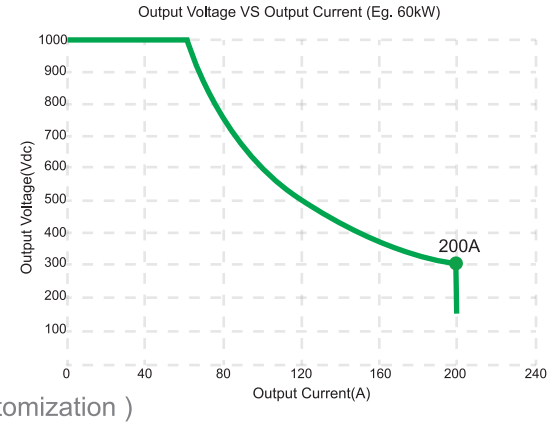
- Multi-standard: CCS1, CCS2, CHAdeMO
- Network or standalone operation
- Optional RFID/App etc. for user identification and management
- Efficiency > 95%, Power Factor ≥ 0.98
- Multiple protection to ensure users' safety
- 7 inch color touch screen with user friendly interface
- OCPP 1.6 JSON (Comply 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

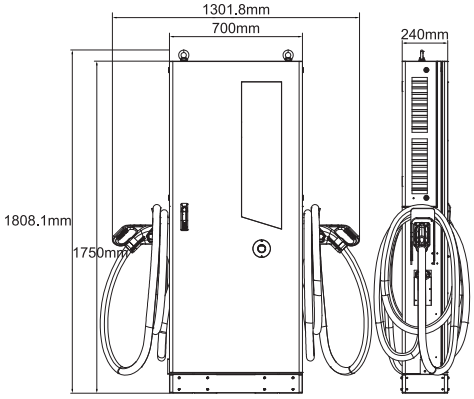
Operating Temperature	-30℃ - +50℃
Storage Temperature	-40℃ - +75℃
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	≤ 2000m
IP, IK Level	IP54, IK10
Cooling Method	Fan Cooling

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.

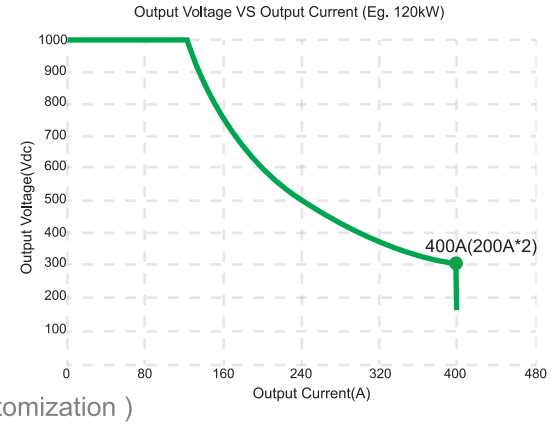
- Multi-standard: CCS1, CCS2, CHAdeMO
- Network or standalone operation
- Optional RFID/App etc. for user identification and management
- Efficiency > 95%, Power Factor ≥ 0.98
- Multiple protection to ensure users' safety
- 7 inch color touch screen with user friendly interface
- OCPP 1.6 JSON (Comply 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 - 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

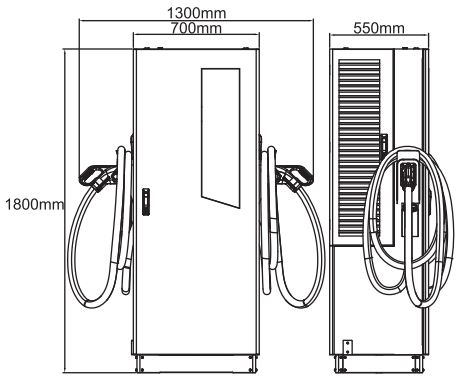
Operating Temperature	-30℃ - +50℃
Storage Temperature	-40℃ - +75℃
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	≤ 2000m
IP, IK Level	IP54, IK10
Cooling Method	Fan Cooling

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.

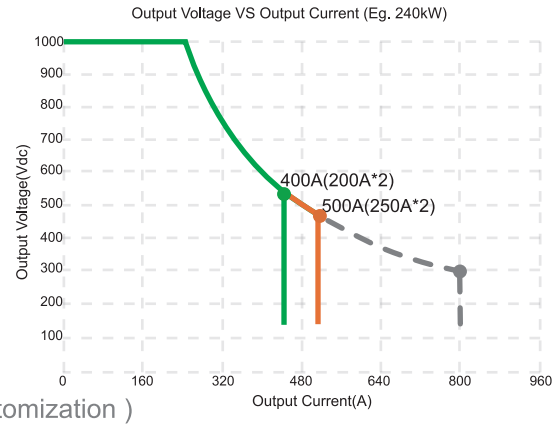
- Multi-standard: CCS1, CCS2, CHAdeMO
- Network or standalone operation
- Optional RFID/App etc. for user identification and management
- Efficiency > 95%, Power Factor ≥ 0.98
- Multiple protection to ensure users' safety
- 7 inch color touchscreen with user friendly interface
- OCPP 1.6 JSON (Comply 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 ±10%
Frequency	50Hz or 60Hz
THDi	≤5%
Power Factor	≥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

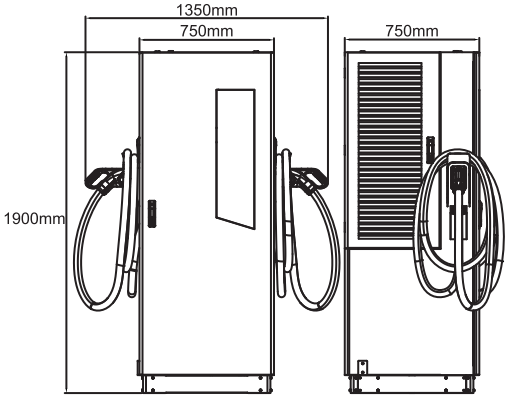
Operating Temperature	-30℃ - +50℃
Storage Temperature	-40℃ - +75℃
Operating Humidity	Max. 93% RH, Non-Condensing
Operating Altitude	≤ 2000m
IP, IK Level	IP54, IK10
Cooling Method	Fan Cooling

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 (360kW/480kW)

Dynamic Split Charging System

Efficient, flexible, fast, and quiet split charging station

CE

- **Split design**
  Flexible distribution of power between terminals,The power cabinet covers a small area, and the charging terminal can be flexibly deployed and installed near the parking space, with low noise.
- **Super fast charge**
  Multi-gun design, single gun can be maximum power output, conventional charging gun maximum output 250A.
- **Simultaneous charging output**
  Multiple charging terminals charge simultaneously,smart Charging model to adjust the power loading,Load sharing to ensure the best utilization.
- **High intelligence**
  Powerful information collection, transmission and communication functions, compatible to OCPP backend office,support user authentication options.
- **Convenient operation**
  Easy installation with modular design,adapt to indoor and outdoor environment.Ingress protection up to IP55.

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	≥0.99 (load:50%-100%)
Output Voltage	150Vdc - 1000Vdc
Max. Output Current	250A （ 500A Optional）
Output Power	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

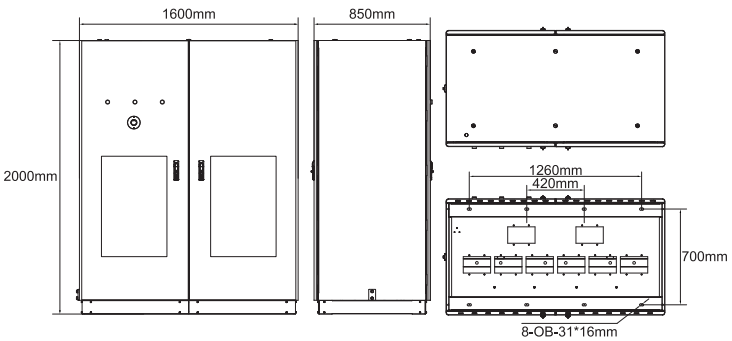
Mechanical

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

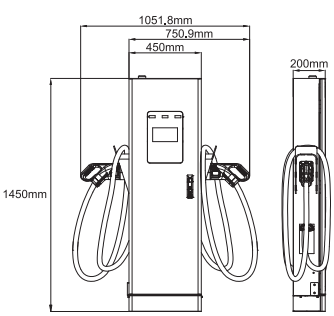
Certifications

Certificate	IEC61851-1,IEC61851-23,IEC61851-21-2
Safety	CE

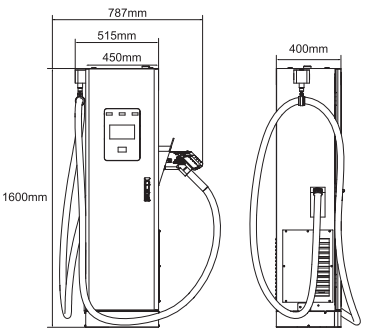
Power cabinet



Charge station



HPC Charge station



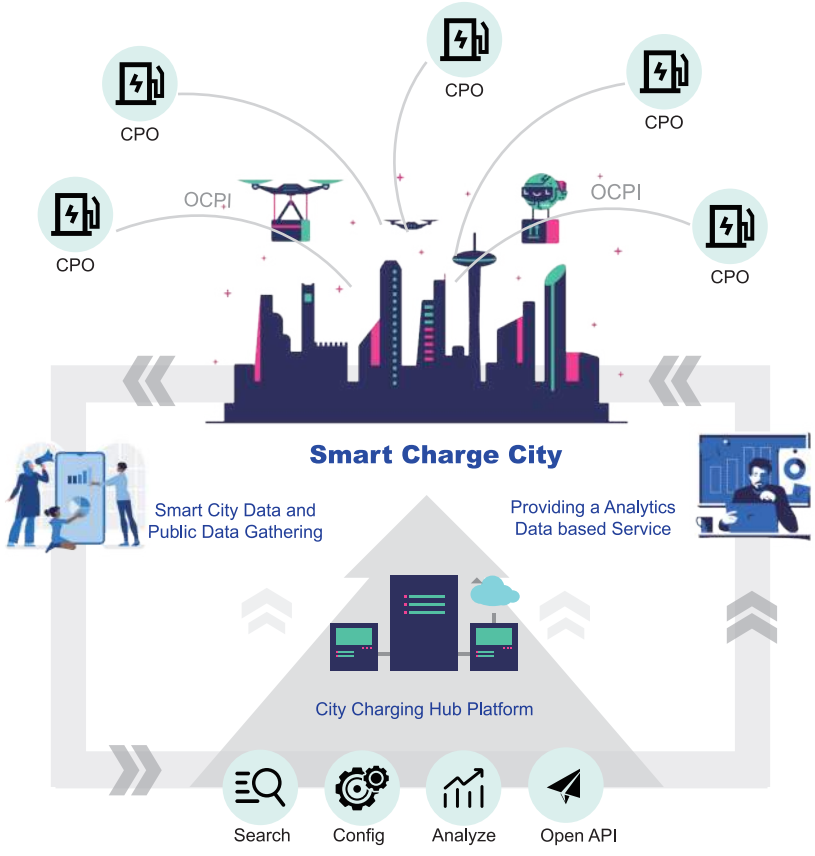
System Solution

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.

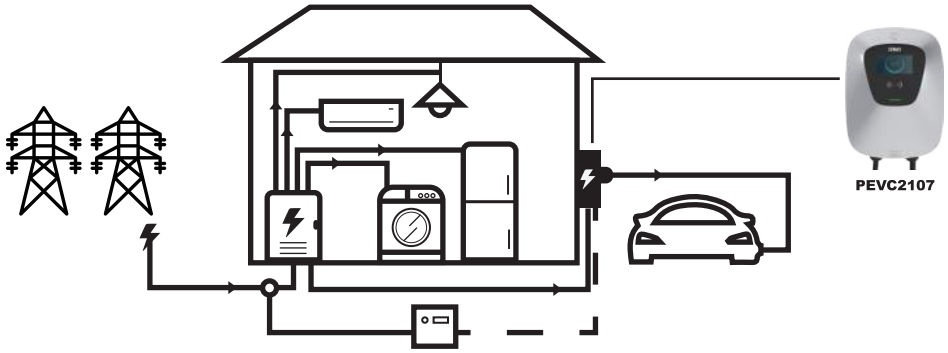
City platform solution

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 famillies 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

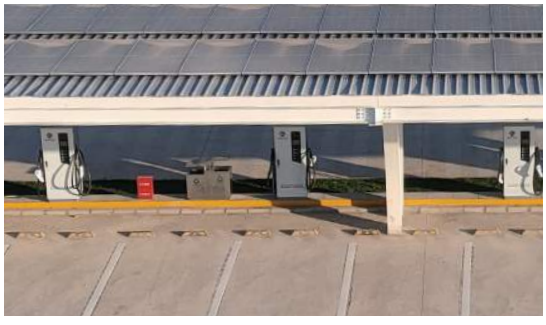


EV Manufacturer


ODM Project



High-way Station


Government Project	Residential Building	Transportation	Commercial Building	Public Building	Business Project
100+	1500+	300+	1000+	500+	500+

Tourist Station



Bus Station



Parking Lot



Public Transport Station


Better Charging for Better Life

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