

Sinexcel

Sinexcel

EV CHARGING SOLUTION

Everything about
profitability and charging experience



SER100020K2C

20kW POWER MODULE

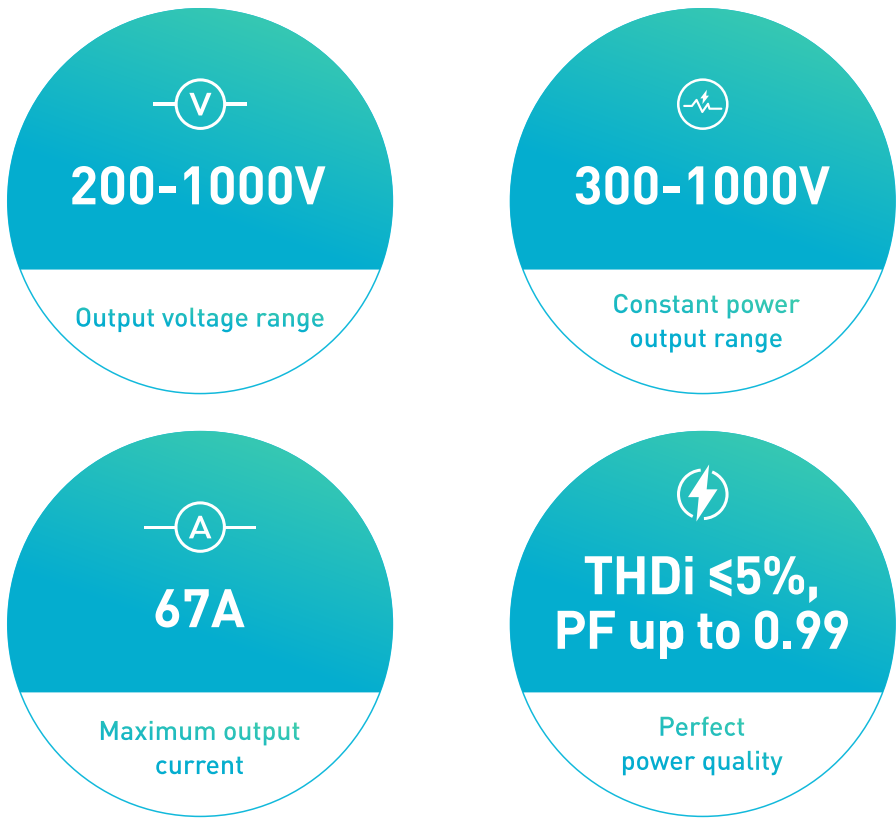
Product Profile >>>

SER1000V 20kW is specially developed for EV DC chargers. It has advantages of high efficiency, high power factor, high power density and high reliability. AC input is 3 phase 4 wire, DC output voltage range from 200-1000 Vdc. The rated output power of the module is 20kW, and it can output at constant power in the range of 300-1000Vdc.

Certification >>>



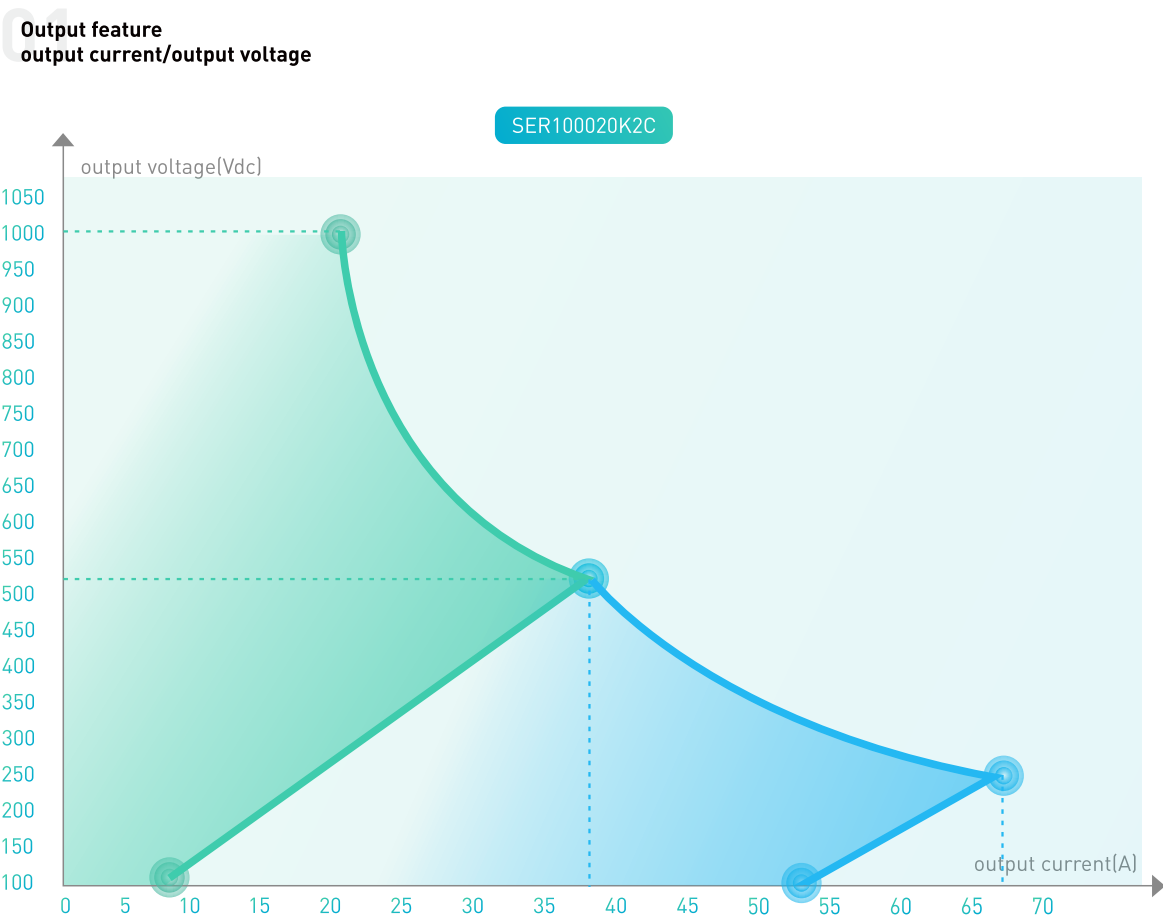
Highlights >>>



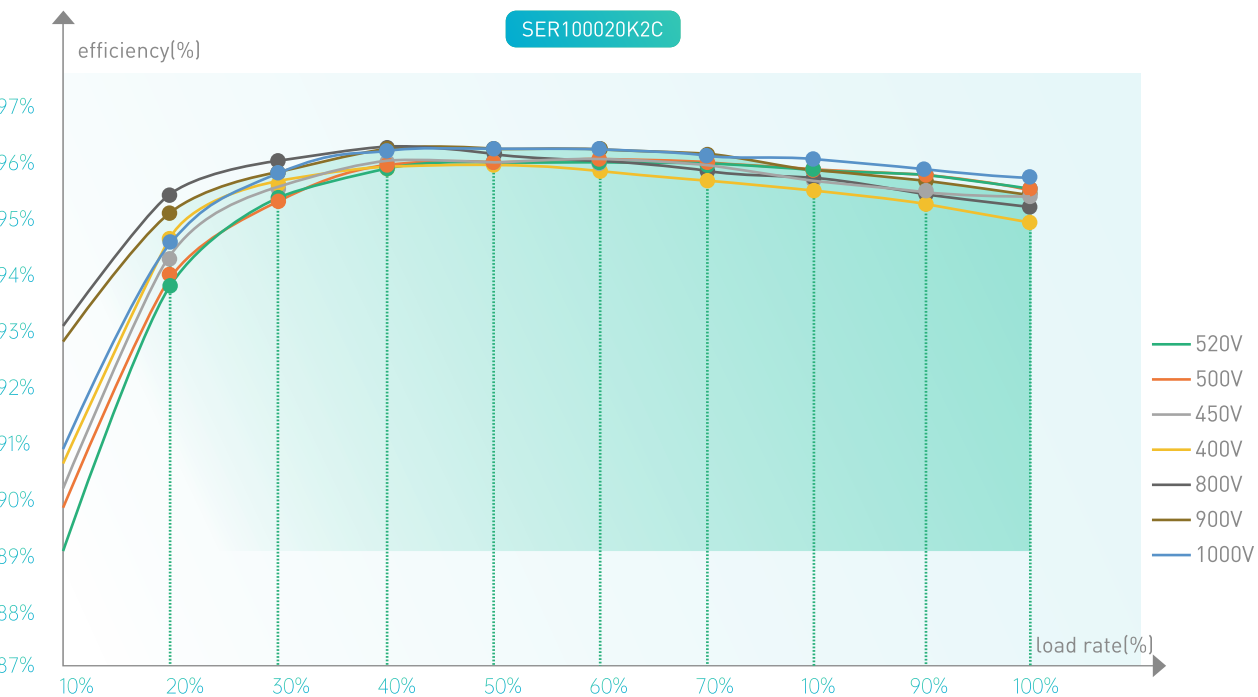
Specifications >>>

	Model	SER100020K2C
Basic indicators	Equipment dimensions	411mm*238mm*86mm
	Weight of equipment	≤10 kg
	Heat dissipation mode	Forced air cooling
	Communications	CAN
Input characteristics	Input voltage	268-480Vac
	Voltage system	three-phase four-wire system
	Input current	≤40A
	Input frequency	45-65 Hz
	Power factor	≥0.99
	Harmonic current	THDi<5%
	Maximum output power	20kW
Output characteristics	Output voltage	200-1000Vdc(support power output≤200V)
	Output constant power range	300-1000Vdc
	Maximum output current	67A
	Peak efficiency	96%
	Altitude	≤2000m
Environmental indicators	Noise	≤65dB
	Working temperature	-25°C-65°C, above 45°C derating
	Working humidity	0-95%

Output Curve >>>



Efficiency



SER100040K3B

40kW POWER MODULE



Product Profile >>>

SER100040K3B module adopts three-level LLC technology, which has the advantages: high efficiency 97%, environment adaptability -40°C-75°C, high power density, high reliability, module DC output voltage range is 50-1000Vdc, rated output power is 40 kW. The range of constant power output is 300-1000Vdc.



2022.09

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Highlights >>>

V

50-1000V

Output voltage range

⚡

300-1000V

Constant power output range

A

133A

Maximum output current

🌡️

-40°C~75°C

Environment adaptability

📈

≥97%

High efficiency

⚡

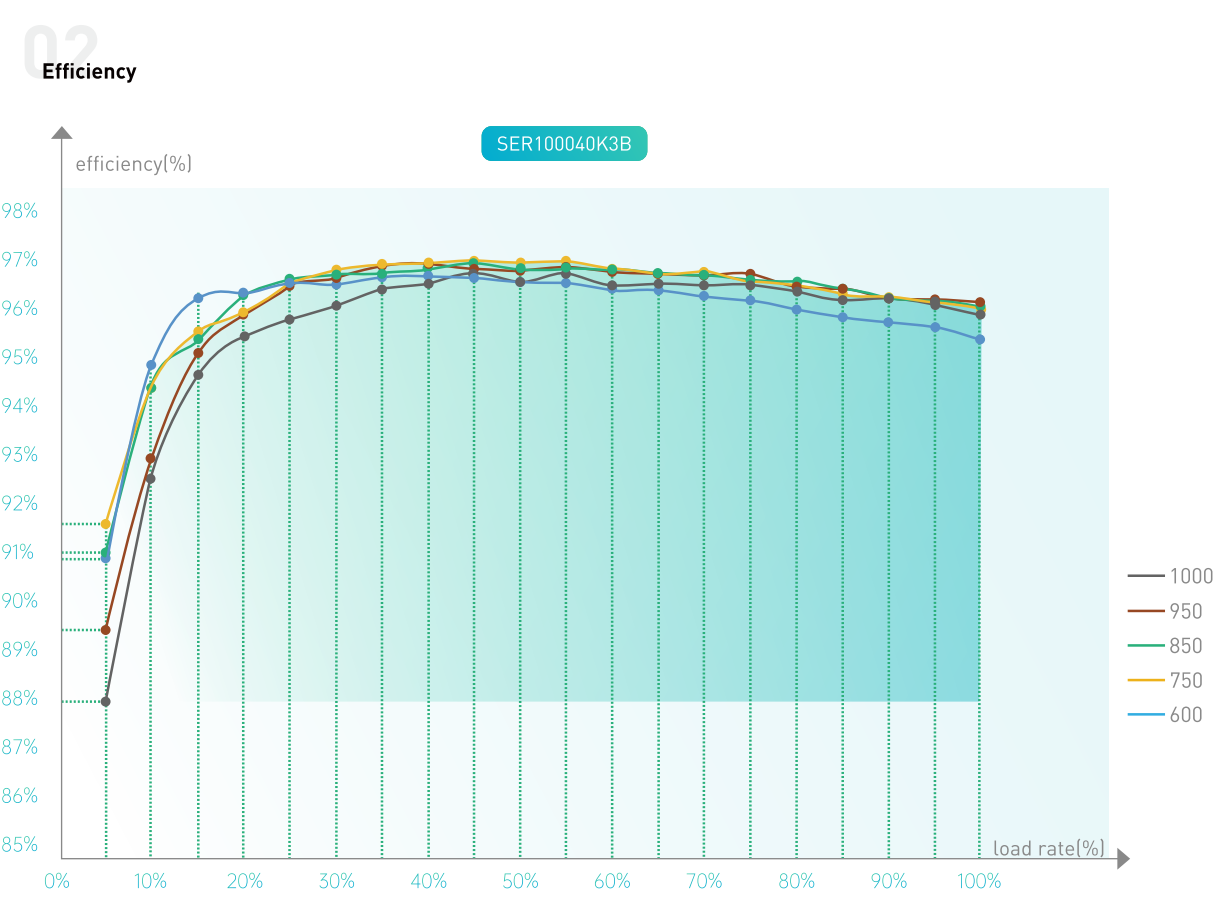
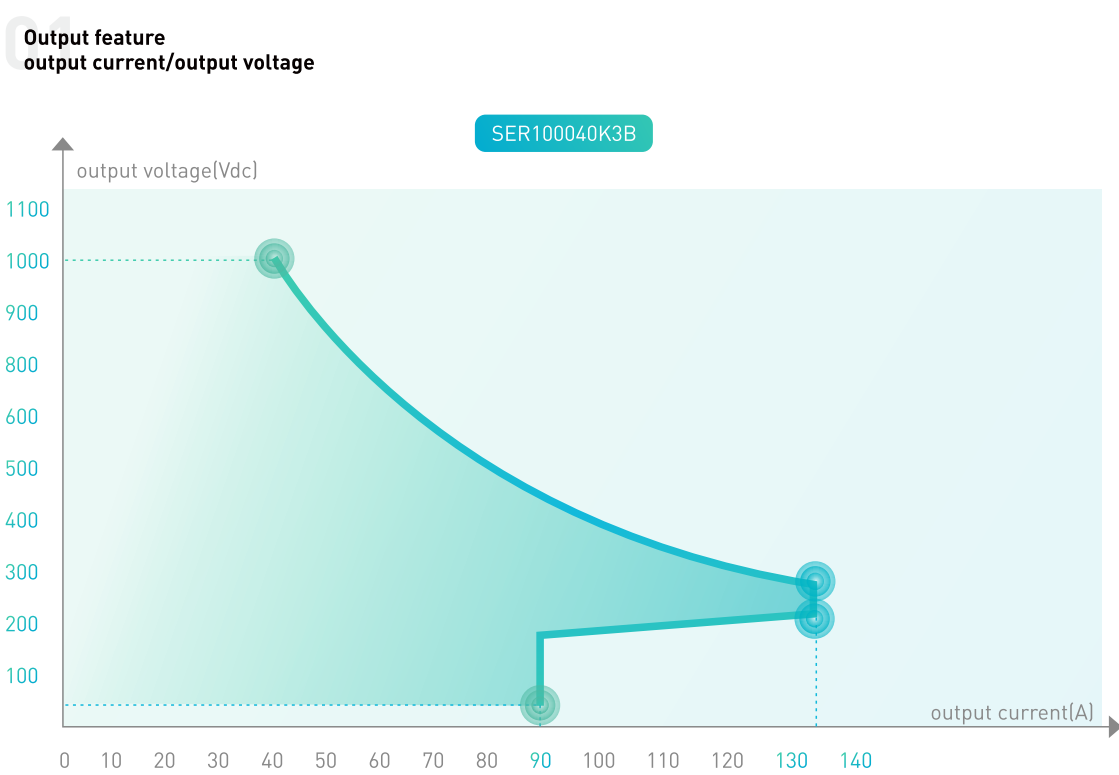
THDi ≤5%,
PF up to 0.99

Perfect power quality

Specifications >>>

	Model	SER100040K3B
Basic indicators	Equipment dimensions	459mm*360mm*85mm
	Weight of equipment	≤20 kg
	Heat dissipation mode	Forced air cooling
	Communications	CAN
Input characteristics	Input voltage	285~525Vac
	Voltage system	three-phase four-wire system
	Input current	≤80A
	Input frequency	45-65 Hz
	Power factor	≥0.99
	Harmonic current	THDi≤5%
Output characteristics	Maximum output power	40kW
	Output voltage	50-1000Vdc
	Output constant power range	300-1000 Vdc
	Maximum output current	133A
	Peak efficiency	97%
Environmental indicators	Altitude	≤2000m
	Working temperature	-40°C-75°C, above 55°C derating
	Working humidity	0-95%

Output Curve >>>



MIRA AC CHARGER

Product profile >>>

Using socket and smaller size design, Sinexcel Mira AC charger can output at max.7 kW so that it will be more suitable to the residential usage. It is friendly to users with its simple design and operation which makes it easier to install, maintain and control. Mira is also designed to save power consumption and energy cost, just enjoy the convenient use of Mira AC charger.



Specifications >>>

MIRA EV AC Charger	
Rated power	7KW
Input/output current	32A
Input/output voltage	Single-Phase 230V
Frequency	50Hz
Standby power consumption	≤3W
Connector type	IEC Type 2
Cable length	5m(3m,7m optional)
Emergency stop	Support
RCD	TypeA 30mA+DC 6mA
Charging status information	LED
Metering	Integrated into the control board (optional)
Operation temperature	-30°C — +55°C
Relative humidity	5%—95%
Operation altitude	<2000m
Installation method	Wall-mounted/Floor-mounted
Protection function	Over current protection, over/under voltage protection, over temperature protection, lighting protection, short circuit protection, etc.
Protection rating	IP65/IK10
EMC	Class B
Certification	CE、TR25、RCM、TUV mark
Function extension	Support external CT, PV interface(RS485), DLM system, monitor charging data in real-time
Earth fault protection	Support
Supply system	TN-CS, TN-C, TN-S, IT, TT
Connectivity	Wi-Fi, Bluetooth, 4G
Wired communication	LAN, RS485
Communication protocol	OCPP1.6 (can be updated to 2.0)
Cable type(socket/connector)	Both
Platform	Support(control via APP)

Features >>>



Monitor and remote control

Monitor charging data in real-time and control the charger everywhere



Smart charging

Support DLM system and APP control to manage your charger for better charging experience



Safe charging

Integrated safety functions, high level protection rating to ensure safety of device and user



Cost effectively

Less than 3W standby power, lower electricity consumption



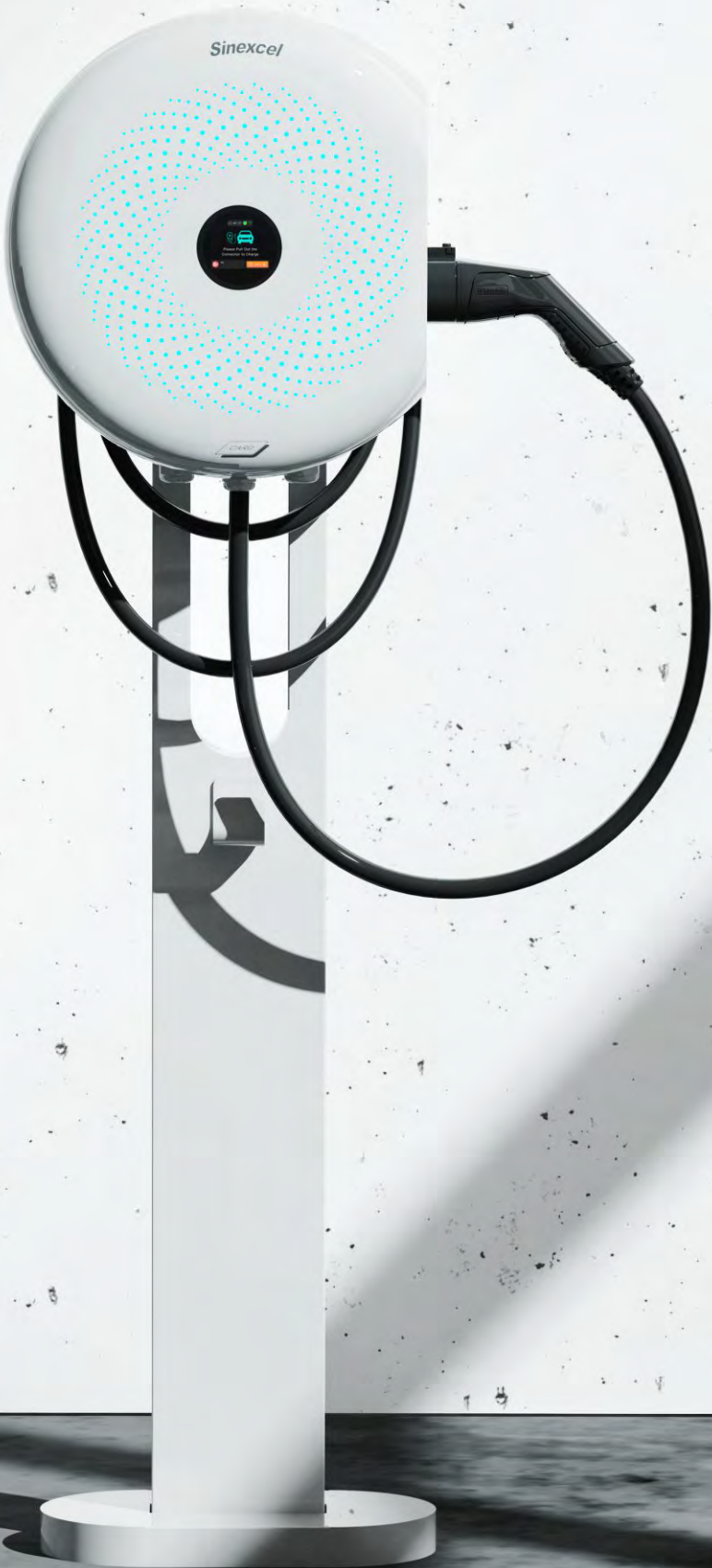
Socket ver.

The design of socket charging can protect the cable from external impact

INTERSTELLAR AC CHARGER

Product Profile >>>

The correct choice for your business and home charging. With latest design can compatible with all EV cars. Its fashion design makes it attractive while functionality and also makes charging your EV at work place or home a breeze with the reliable. The Interstellar is one smart AC charger designed to change your life.



Specifications >>>

Interstellar EV AC Charger			
Rated power	7kW	11kW	22kW
Input/output voltage	Single-Phase 230V	Three-Phase 400V	Three-Phase 400V
Input/output current	32A	16A	32A
Weight	5KG	7.5KG	7.5KG
Dimensions	W406*H450*D162		
Frequency	50/60Hz		
Connector	Type1, Type2		
Cable length	5m		
Charging status information	LED		
Authorization	Plug and Charge/NFC/RFID/APP(optional)		
Metering	MID Meter		
Communication method	OCPP 1.6J(upgradable)		
Protection function	Over current protection, over/under voltage protection, over temperature protection, lighting protection, short circuit protection, etc.		
Protection rating	IP65/IK10		
Operation temperature	-30°C~+55°C		
Operation altitude	≤2000m		
Relative humidity	5%-95%		
RCD	TypeA+DC 6mA		
EMC	Class B		
Certification	CE/TR25/TUV Mark/RCM/KC/UKCA		

Highlights >>>



Innovative appearance



User-friendly design



High charging experience

SEC 80kW INTEGRATED DC CHARGER

Product Profile >>>

Equipping with self-developed power module, it can output high charging power (80kW) with high efficiency (≥96%). The output voltage of it can realize a wide range of 200~1000Vdc, which can meet most of EVs in the market and support high voltage charging. Using a new design, this charger can also support AC charging so that one parking can support three EVs charging simultaneously.



Highlights >>>



Support high power charging

The Sinexcel 80kW DC charger support at maximum 80kW power charging and system can output at maximum 200A current



Support DC and AC charging simultaneously

There is an AC charging connector in this DC charger, which realizes the AC charging (22kW) and charges for three EVs at the same time



High efficiency

Equipping with high performance power module (SER 100020K2C), the DC charger can output the power greater than 96%



Small floor space

The DC charger takes small space, which is friendly for the customer

Specifications >>>

Category	Item	Parameter
Input Characteristic	Input type	3P+N+PE
	Input voltage	400Vac±10%
	Input frequency	50~60Hz
	THDi	<5%
	Power factor	0.99
Output Characteristic	Output power	80kW DC+22kW AC
	Maximum output current	200A @CCS
	Output voltage	200~1000V
	Connector type	CCS, CHAdeMO, Type 2
	Peak efficiency	96%
Environment & Appearance	Temperature	-25°C~65°C
	Humidity	5%~95%
	Dimensions	2030*850*450mm
	Structure	304 Stainless steel
Others	Payment	RFID/Credit/QR code
	Standby power	<0.1% max power
	Network method	Ethernet/4G
	IP/IK degree	IP55/IK10
	Certification	CE, TUV, UKCA, TR25, RCM


60 ~ 160kW INTEGRATED DC CHARGER


Product Profile >>>


SEC DC FAST Charger Series outdoor DC integrated charger adopts a new generation of 20KW intelligent charging module, single and double guns can be arbitrarily selected according to customer needs. The dual-gun type can be distributed, according to the actual charging demand to meet the charging needs of small and medium-sized passenger cars and logistics vehicles.





Highlights >>>


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Flexible configuration
60 kW~160kW multiple power configuration methods to meet customer customization needs
- 

Efficient charging
Wide voltage range, large charging current, reduced charging queue time, improved operational efficiency
- 

Safe and reliable
Complete protection to meet the latest national and industry standards
- 

Ultra low energy consumption
Low power loss during operation and standby, effectively reducing customer operating costs
- 

Cloud management
Support cloud management to provide customers with more convenient and intimate charging operation management solutions
- 

Convenient payment
Support for payment methods such as Visa, Master card, RFID card, mobile payment etc

Specifications >>>

Category	Item	Parameter
Input Characteristic	Input type	3P+N+PE
	Input voltage	AC 380±15%
	Input frequency	50-60HZ
	THDi	<5%
	Power factor	0.99
Output Characteristic	Output voltage	200-1000V
	Rated power	60-160kW
	Maximum current	CCS2:200A; optional JAP:125A
	Peak efficiency	96%
	Connector type	IEC 62196
Environment & Appearance	Cooling method	Forced air cooling
	Operating temperature	-25~65 °C(Above 45°C derating operation)
	Humidity	5%~95%
	Altitude	<2000m
Others	Energy meter	DC Meter(Eichrecht certified)
	Number of connectors	2(CCS2) Two connectors can be used at the same time: power split evenly.Only one connector: full power
	Network Interface	LAN Port(4G optional)
	Size(W*D*H)	W1000*D700*H2000 mm
	Protection level	IP55/IK10
	Cable length	5m(total, outside charger 4.5m)
	Communication protocol	OCPP1.6J
	Display screen	7 inch HD touch screen
	Method of payment	APP/RFID/Mobile phone (Optional)
	System standards	IEC 61851

SEC 240kW INTEGRATED DC CHARGER

Product profile >>>

SEC 240kw integrated charger is an integrated EV charger providing 240kw DC output with two connectors.



Specifications >>>

Category	Item	Parameter
Input Characteristic	Input type	3P+N+PE
	Voltage range	380-400V
	Frequency	50/60Hz
	THDi	≤5%
	Power factor	0.99
	Power supply	TT/TN-S/TN-C-S
Output Characteristic	Output voltage	200-1000V(CCS)200-500V(CHAdeMO)
	Rated power	240kW
	Maximum current	200A(300A Optional)
	Standby consumption	≤100W
	Numbers of connectors	2
	Connector type	CCS1/CCS2/CHAdeMO
	Peak efficiency	96%
Environment & Appearance	Operation temperature	-25~65℃, over 50℃ derating
	Storage temperature	-40~70℃
	Humidity range	0~95%,no condensation
	Altitude	≤2000m
Others	EV protocol	ISO15118
	Backend protocol	OCPP1.6J
	Payment method	APP, ISO15118, PnC, password, RFID
	Dimensions	850*750*2000mm
	Communication type	Ethernet/Wi-Fi/4G
	Screen	15-inch LCD touch screen
	Language	EN/KC/CN
	Protection level	IP55, Ik10
	Protection type	Over/under voltage protection, over current protection, over temperature protection, short-circuit protection, reverse charging protection, leakage protection, surge protection, emergency stop, etc.
	Cable management	Yes
	Audio	Yes
	Weight	≤600kg
	Customized function	Tilt protection, flood protection, fire protection, heater
	Noise level	≤75dB
	Standards	IEC61851 IEC62196 IEC61000

Highlights >>>



High power capacity
Power output up to 240kw flexibly distributed to two connectors



Fast charging
500A cable supports charging an EV from 20% to 80%soc within 10min



Cable management
Cable management device provided making charging process easier and protect the cables



Dynamic load distribution
Power distributed to two connectors controlled by algorithm realizes intelligently EV charging



HMI with good user experience
High resolution large LCD touch screen with audio function



Easy for maintenance
Modular design saves maintenance time and OTA update is available

SEC 480kW DISTRIBUTED CHARGER

Product Profile >>>

SEC 480kW distributed charger includes power bank and user terminal, one power bank can support up to 3 user terminals with 6 charging connectors. The distributed charger uses intelligent distribution algorithm to dynamically allocate the power according to different needs of vehicles.



Highlights >>>



User terminal suitable for noise-sensitive areas such as hospital, hotel, and residential areas



Maximum charging current up to 500A, 10 minutes charging, 400 kilometers driving



Upgradable user terminal and power bank. Connector can be transformed from air-cooling to liquid cooling and modules can be added to 360kW power bank to expand capacity to 480kW



Each bank up to 480kW output, support 3 charging stations with 6 connectors



Only need to clean dust in the power bank which makes the distributed charger easy to maintenance



Multiple user terminals intelligently sharing power of the same power bank and each vehicle can be charged at "maximum" power



Specifications >>>

General	
Category	Parameter
IP rating	Ip55
IK rating	Ik10
Protection	Input over voltage protection, output under voltage protection, short circuit protection, over current protection, over temperature protection, surge protection, emergency stop protection, etc.
Ambient temperature	-25°C ~ +65°C
Rh	5% ~ 95%
Altitude	≤2000m
Communication	LAN/4G/Wifi
Protocol	OCPP1.6J (upgradable)
Indication	LED & User interface on user unit
Compliance and certification	IEC 61851, ISO 15118, Comply with CE and UKCA
EMC	Class A

Power bank	
Category	Parameter
Input voltage	400Vac±10%
Input type	3P+N+PE
Frequency	45~65Hz
Power factor	0.99
Peak efficiency	96%
Power output	Flexible power output, Max output 480kW
Maximum output current	1600A
Dimension	W1400*D1000*H2100mm
Weight	≤850kg

User unit	
Category	Parameter
Output voltage	200~1000V
Maximum no. of connector	6
Maximum current per connector	CCS2: 500A(liquid cooled)/200A(convention cooled)CHAdeMO: 200A
Cable length	3.5m(CCS liquid cooled)/ 5m(convention cooled)
Load sharing	Flexible load distribution according to user requirements
Payment method	Visa/Master/Rfid/Apple Pay etc.
Dimension	W750*D400*H2100mm
Weight	≤225kg

GLOBAL REFERENCE



Germany



USA



HongKong



Australia

Facilities all over the world >>>



**Pan-America
Service & Support**

California

**Global R&D and Manufacturing
Hub Headquarter**

Shenzhen,China

Office

Pune,India

R&D Center

Xi'an,China

Factory

Suzhou,China

Factory

Huizhou,China

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